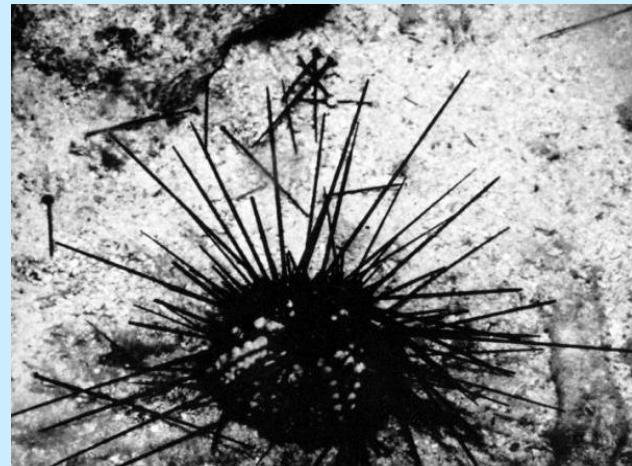


CRES-NOAA DISEASES OF CORAL REEF ORGANISMS

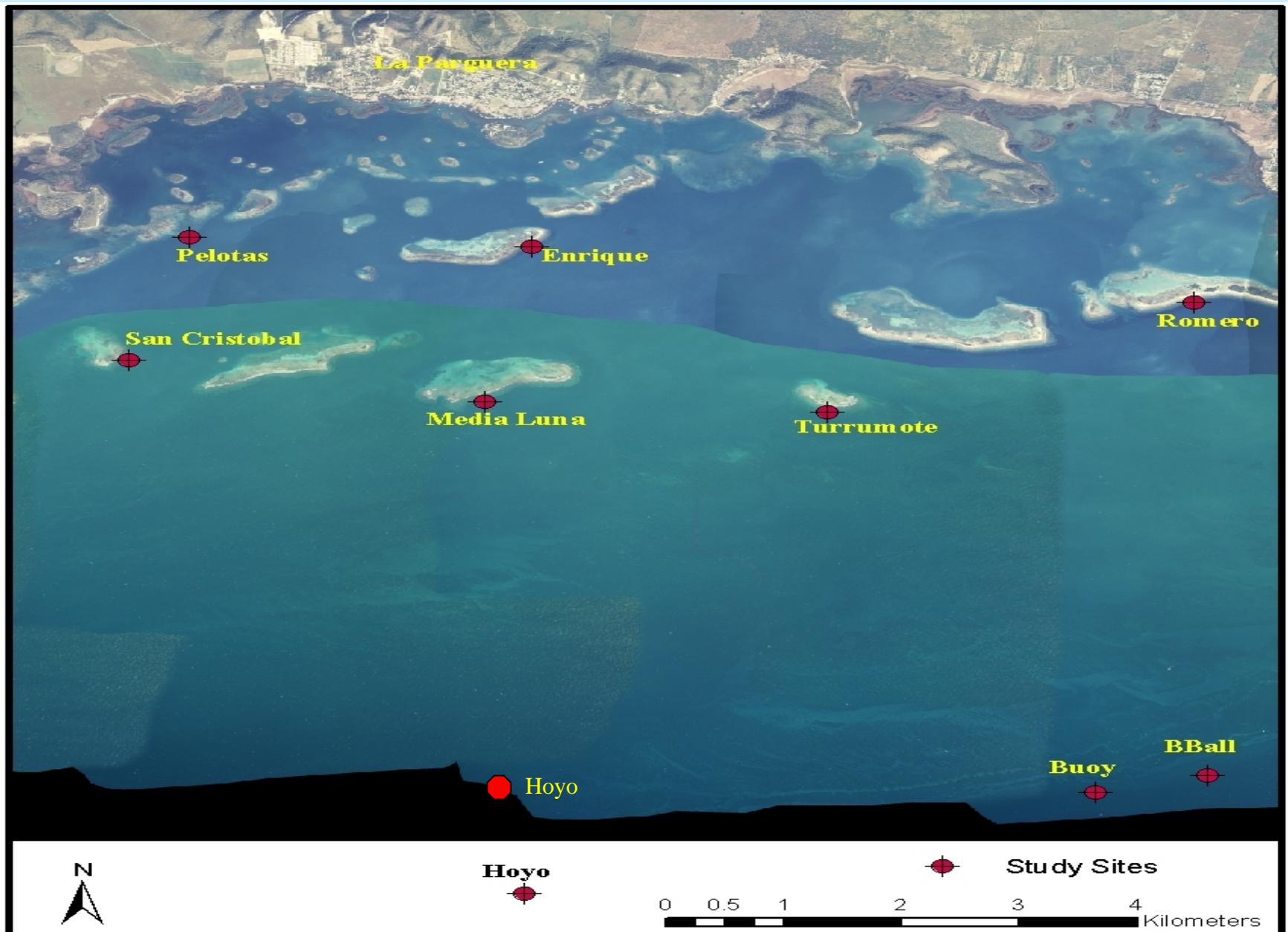


Ernesto Weil, Garriet Smith, and Diego Gil-Agudelo

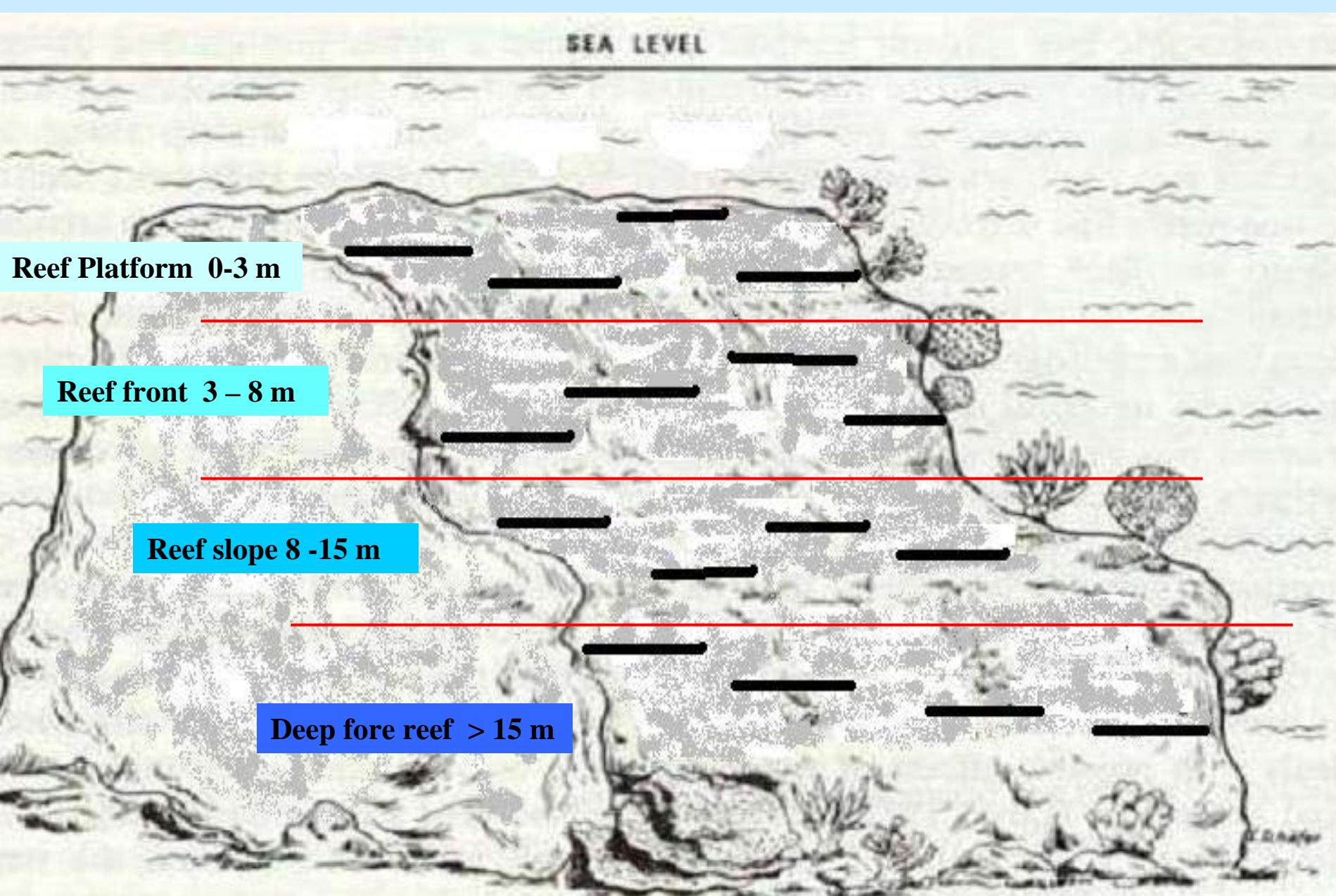
Goals - Objectives

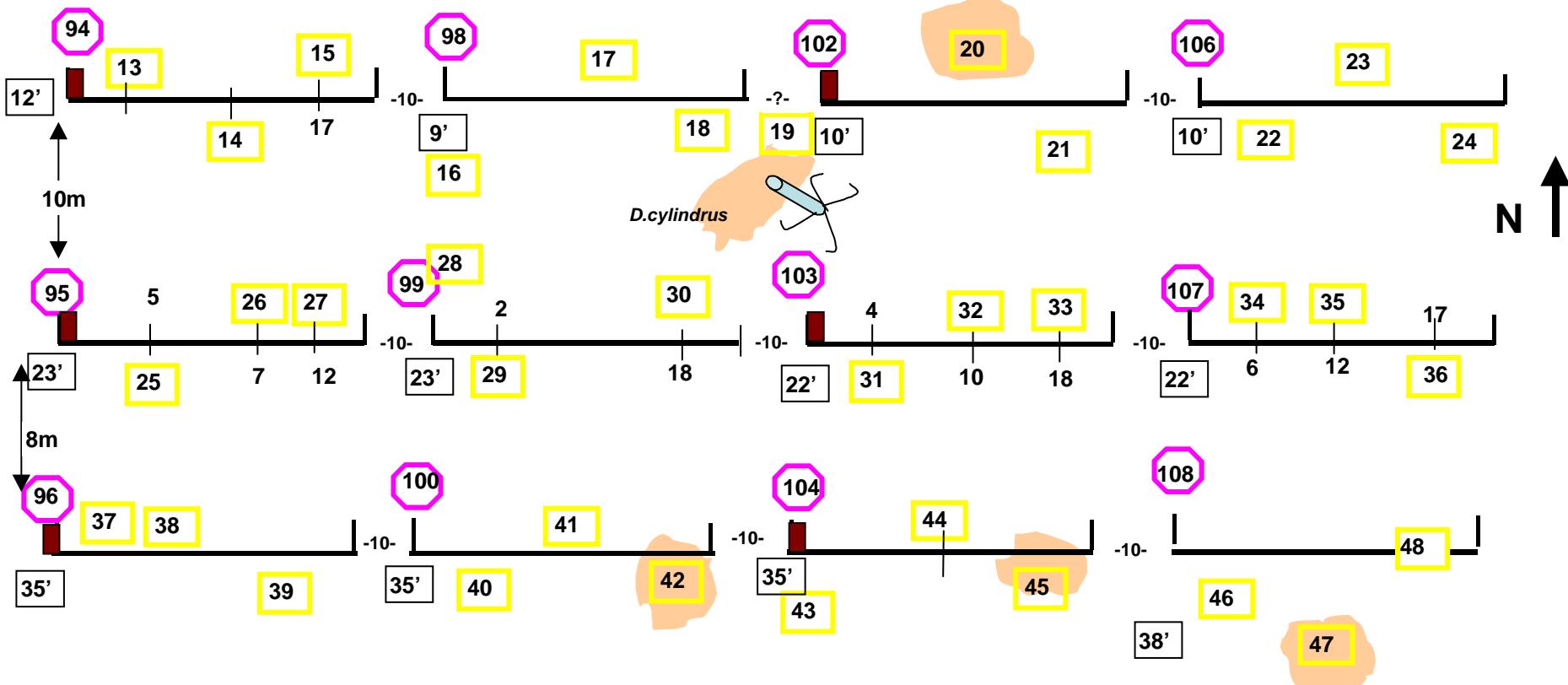
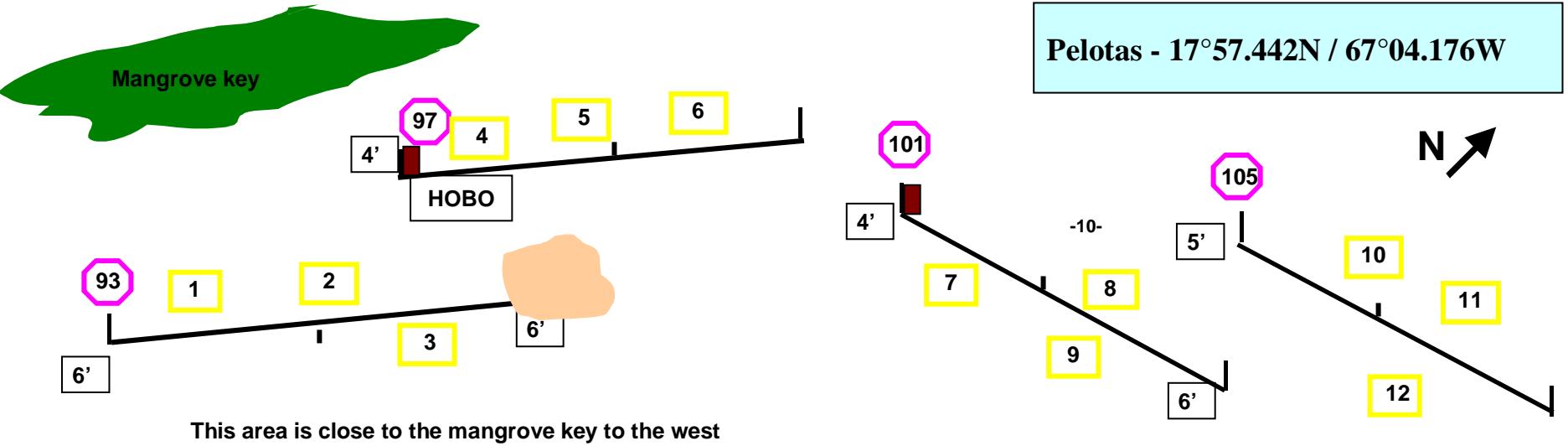
- **Spatial and temporal variability of disease incidence (community) and prevalence (populations) in 9 reefs off La Parguera.**
- **Assessment of the impact of major chronic diseases and sudden, short epizootic events on coral populations and the reef community structure.**
- **Assess correlation with environmental /anthropogenic factors.**
- **Identification of pathogens and characterization of the etiology - Identification of vectors and reservoirs**
- **Potential remedies and managing perspectives**

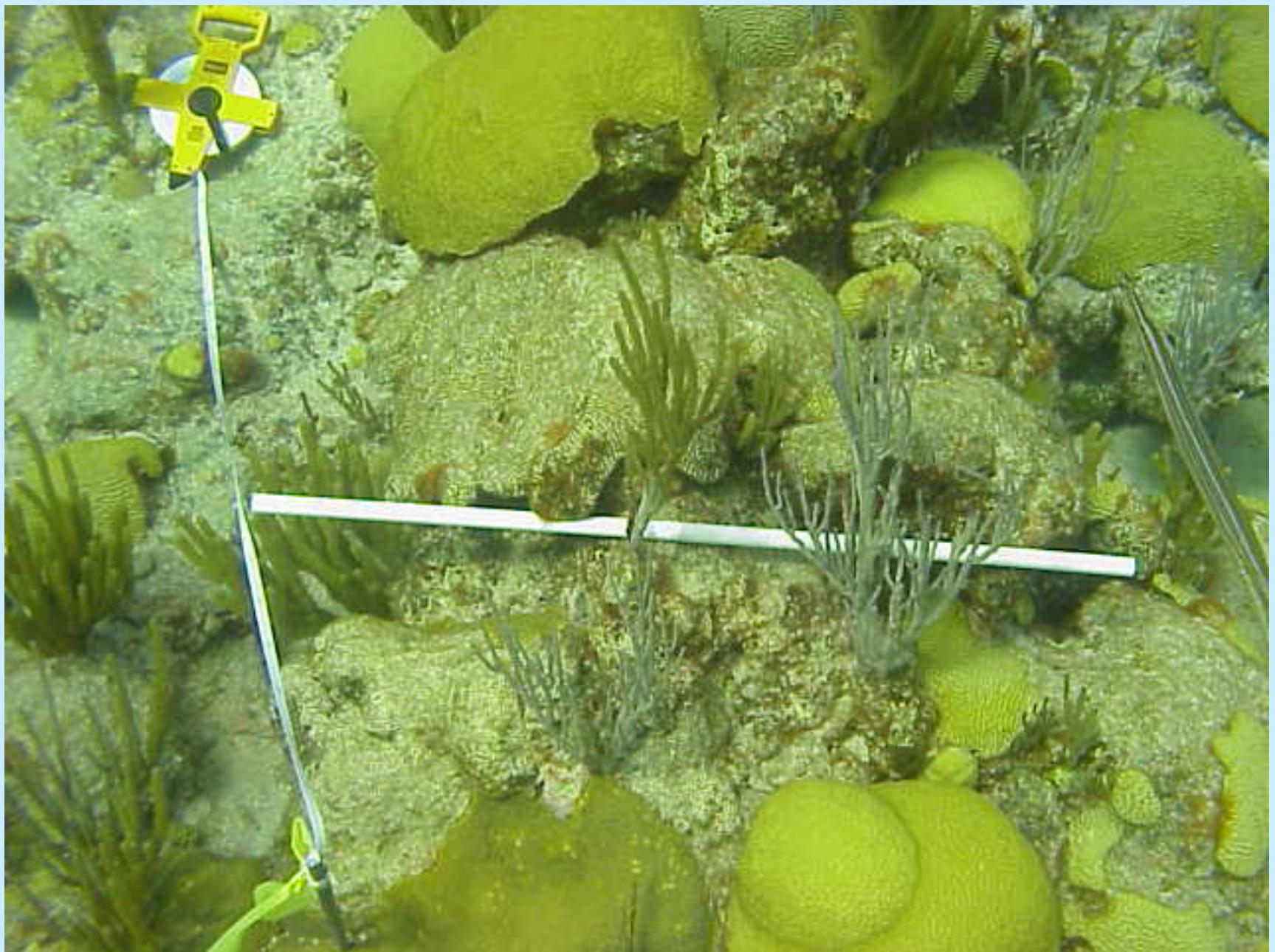
Experimental Design



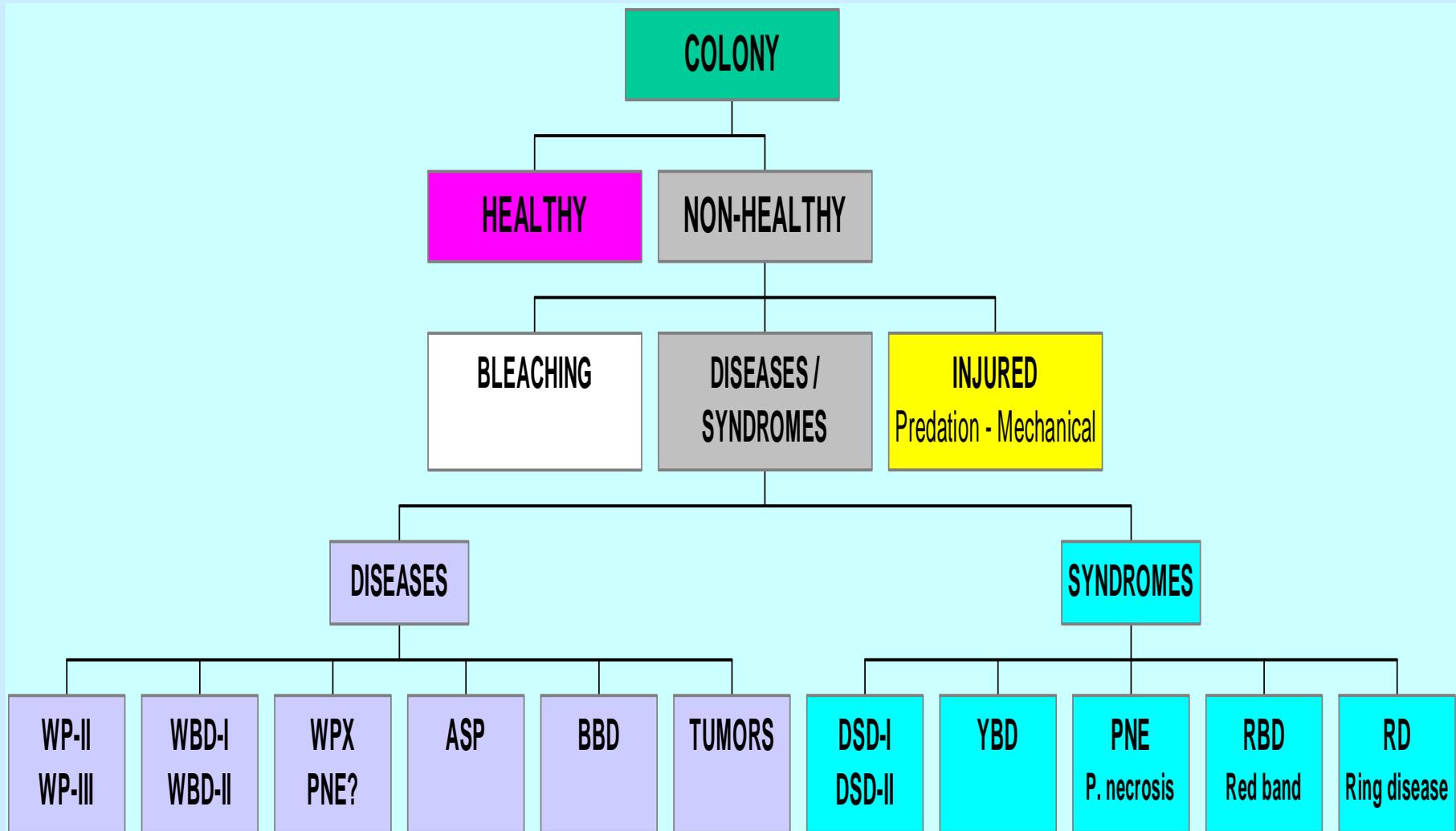
SAMPLING DESIGN



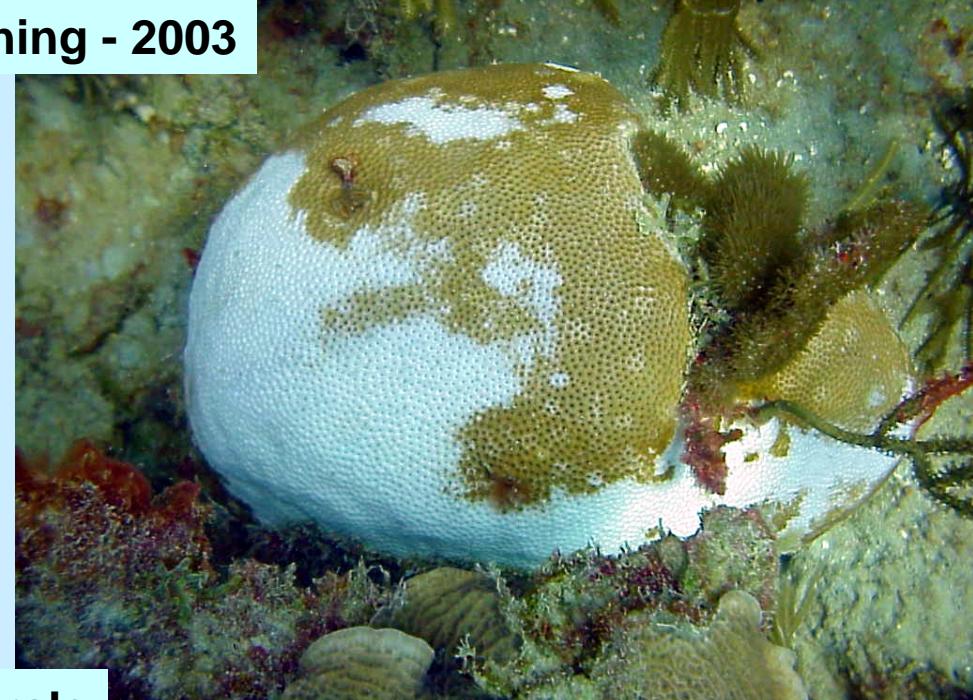




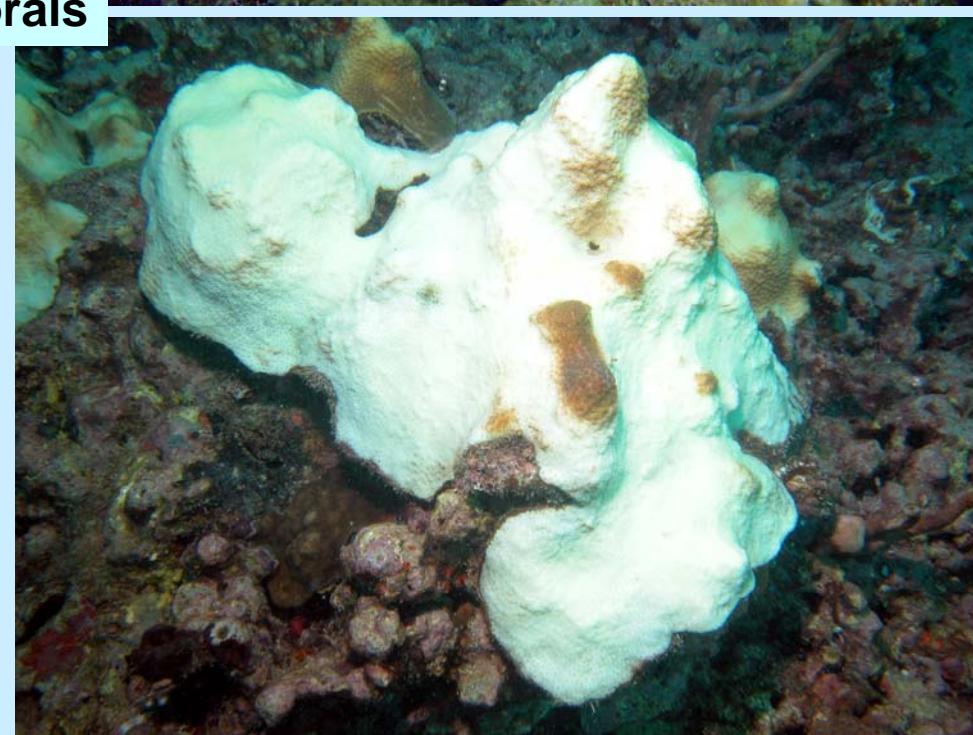
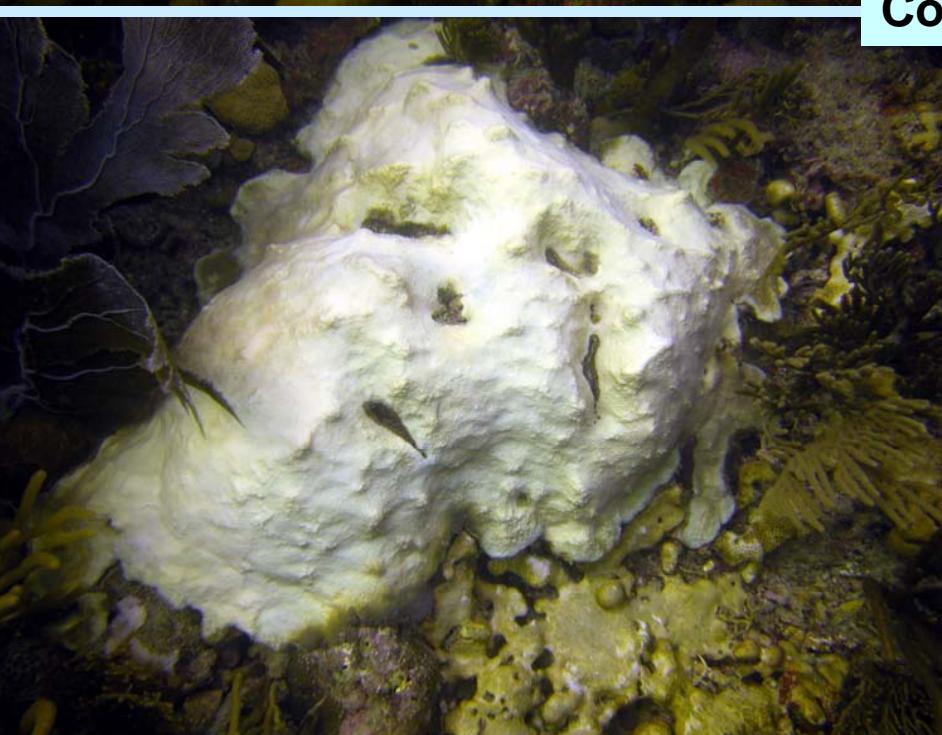
CARICOMP DISEASE SURVEY



Bleaching - 2003

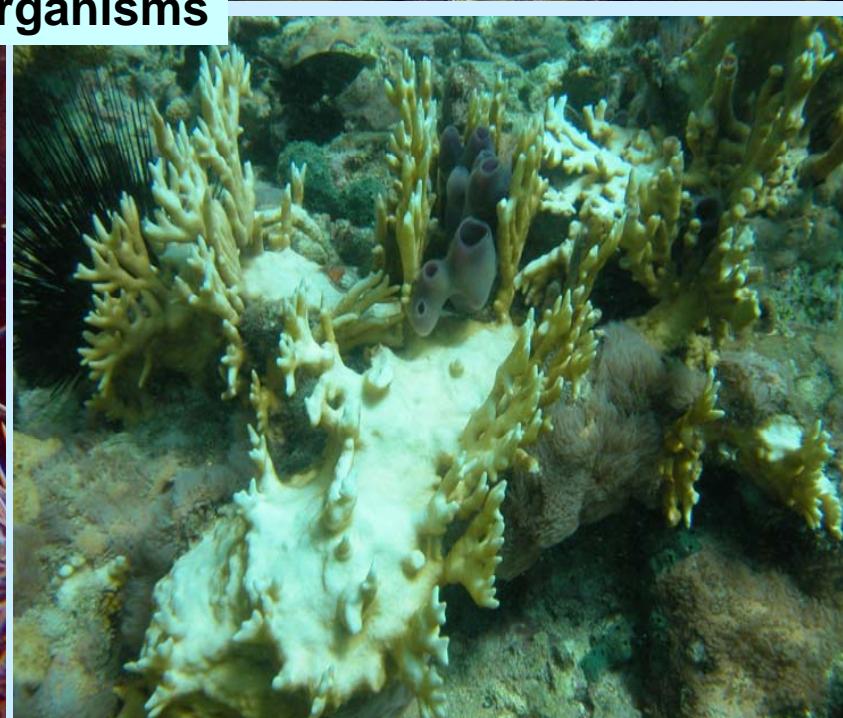


Corals

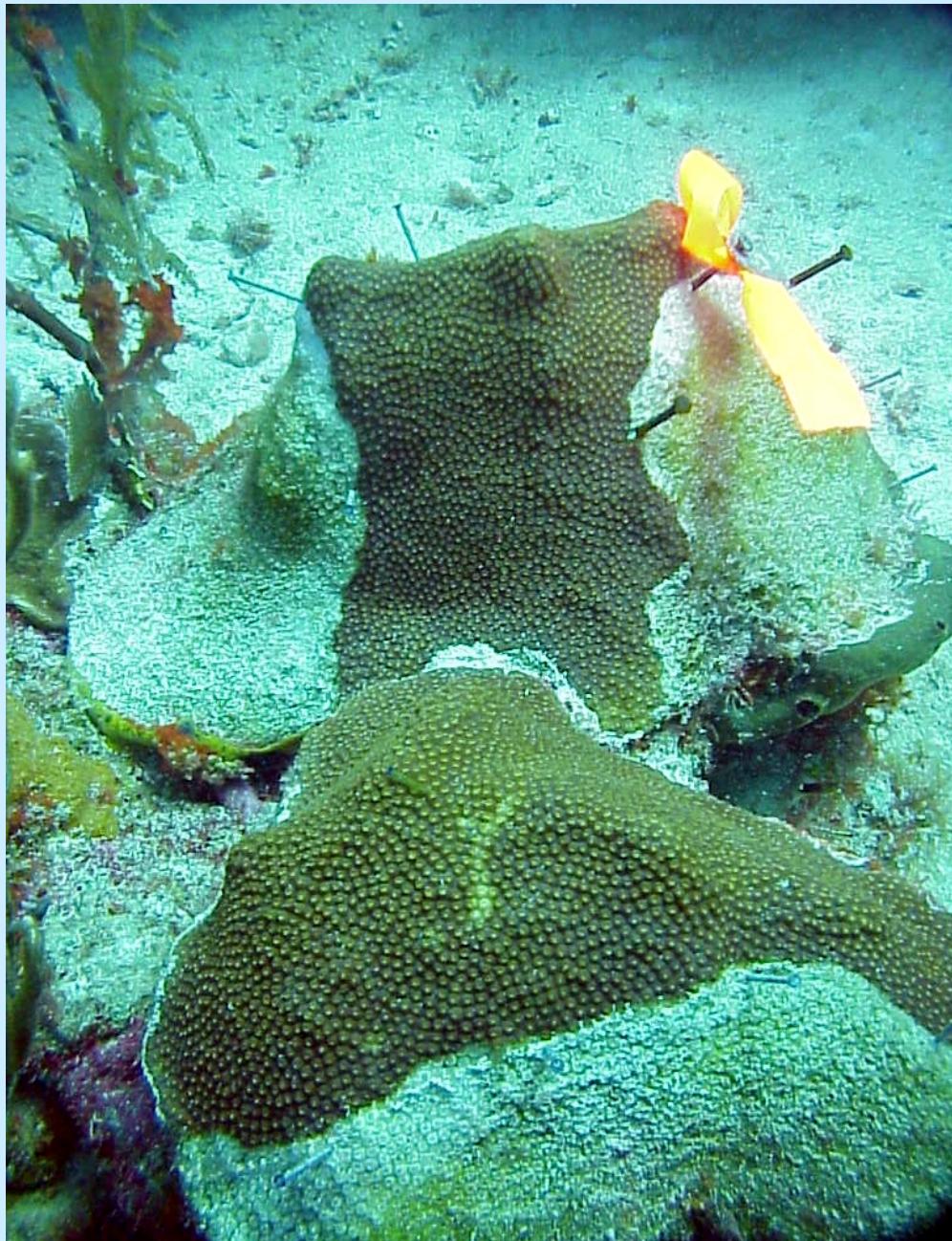




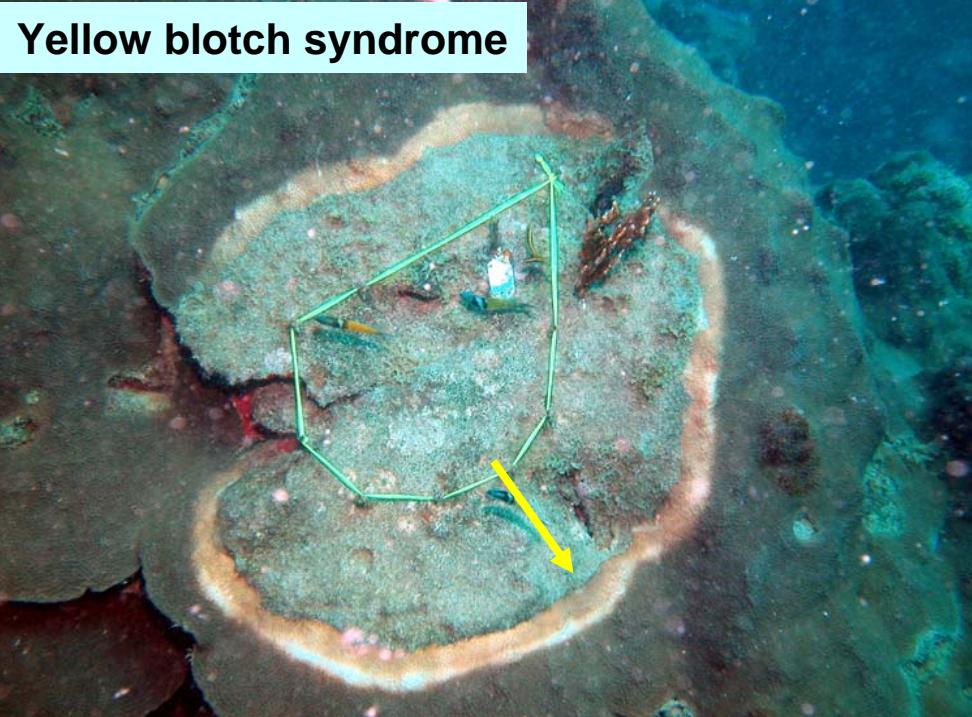
Other organisms



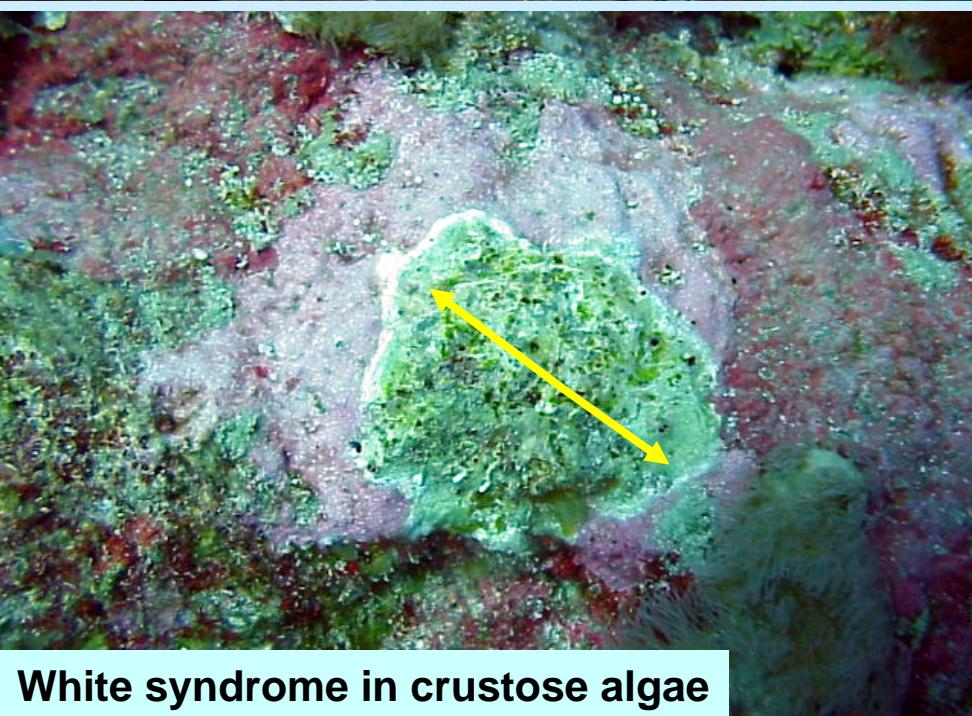
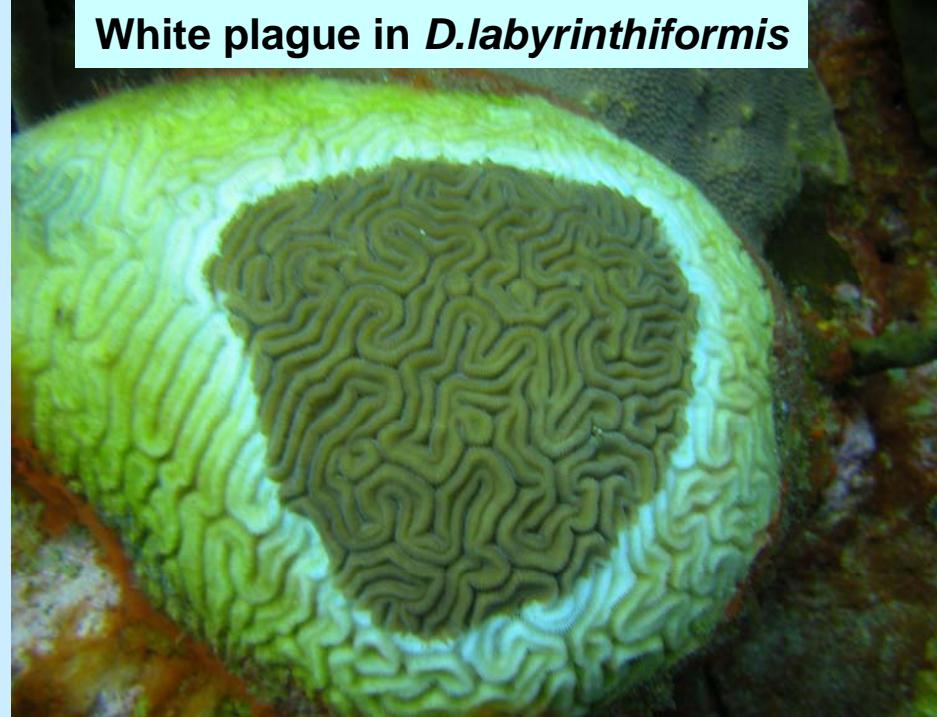
Tagged colonies infected with WP-II



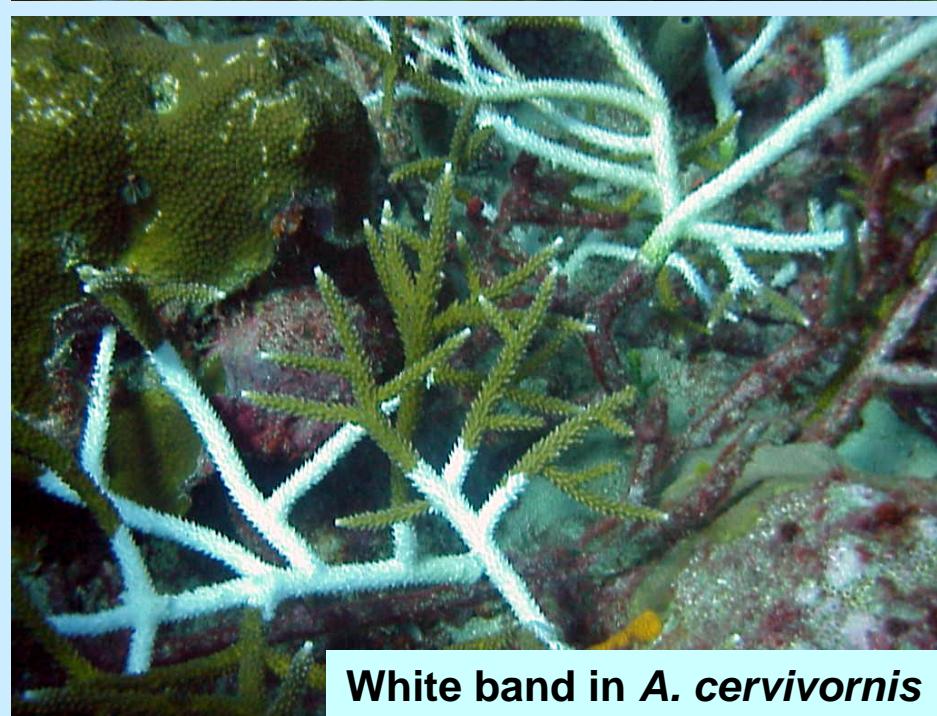
Yellow blotch syndrome



White plague in *D. labyrinthiformis*



White syndrome in crustose algae



White band in *A. cervivornis*

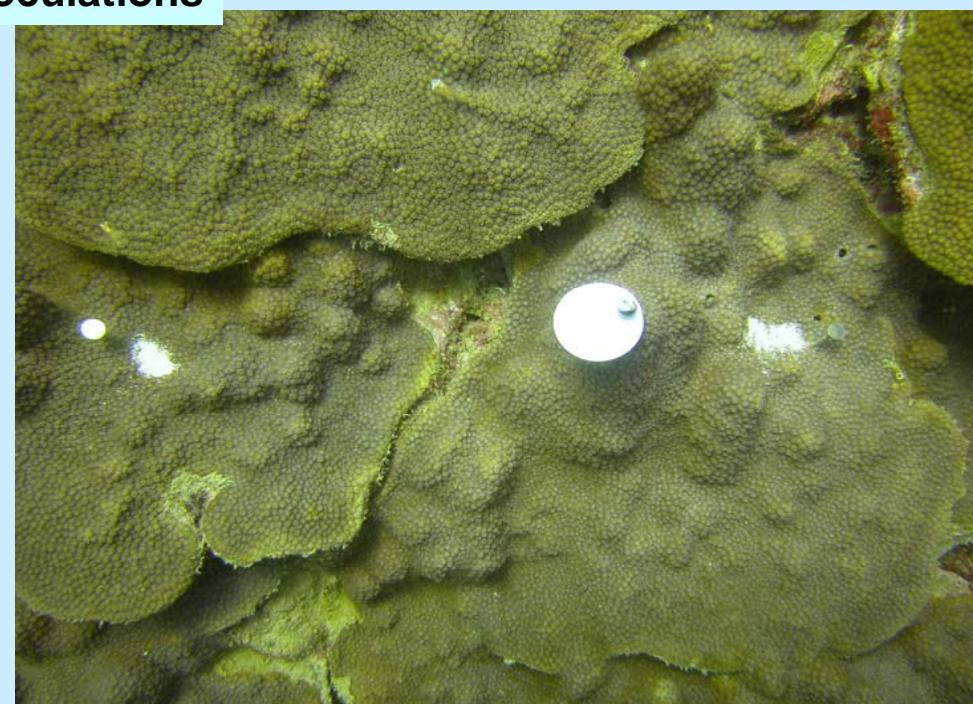


BBB

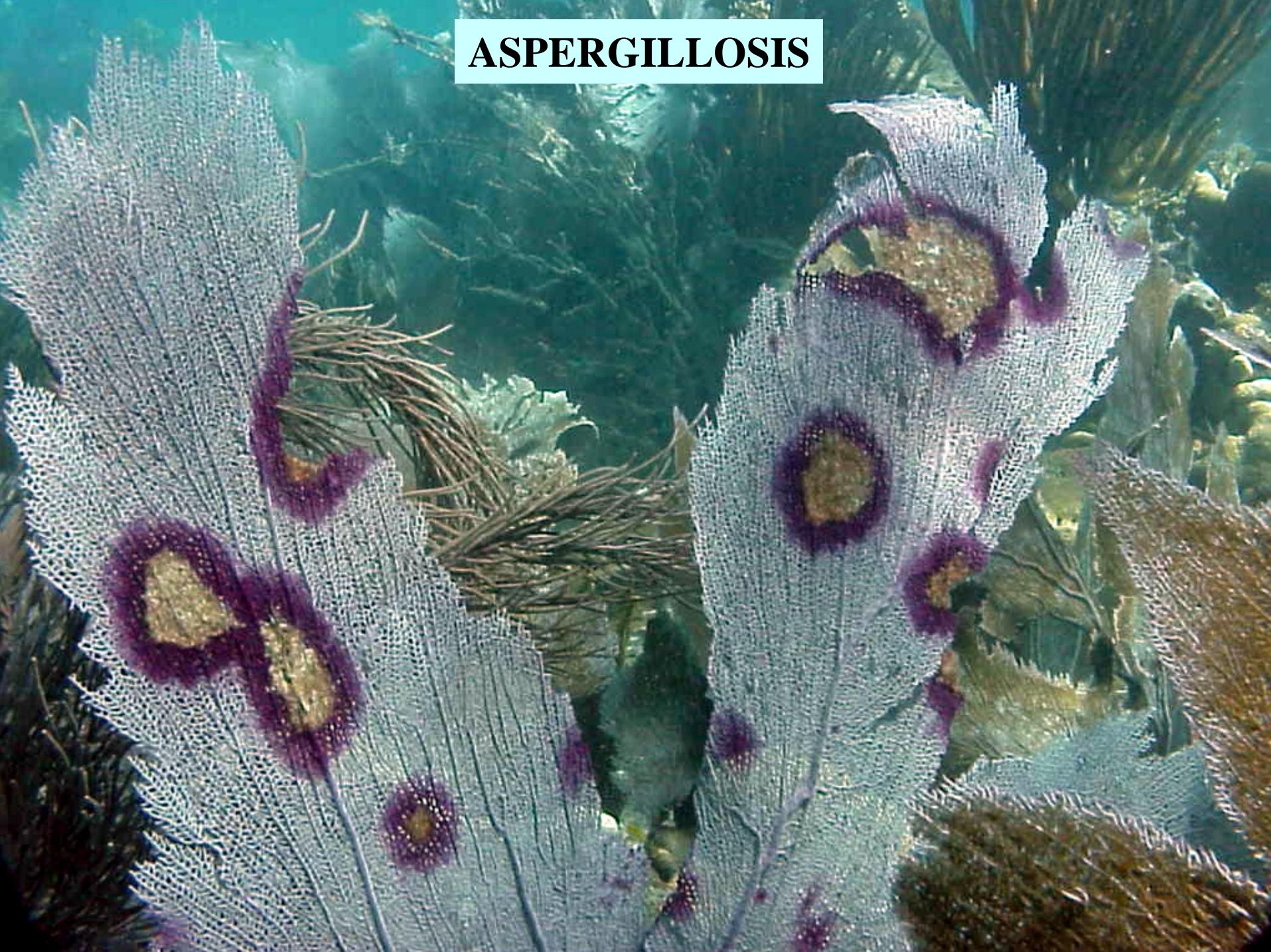
Ten days after tagging



Disease inoculations



ASPERGILLOSIS



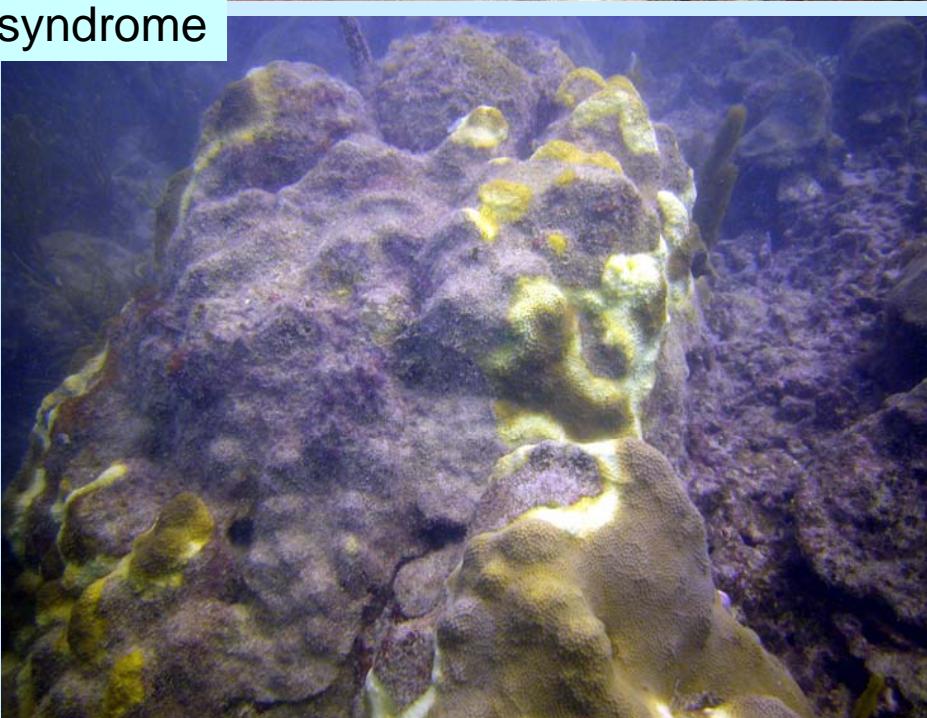
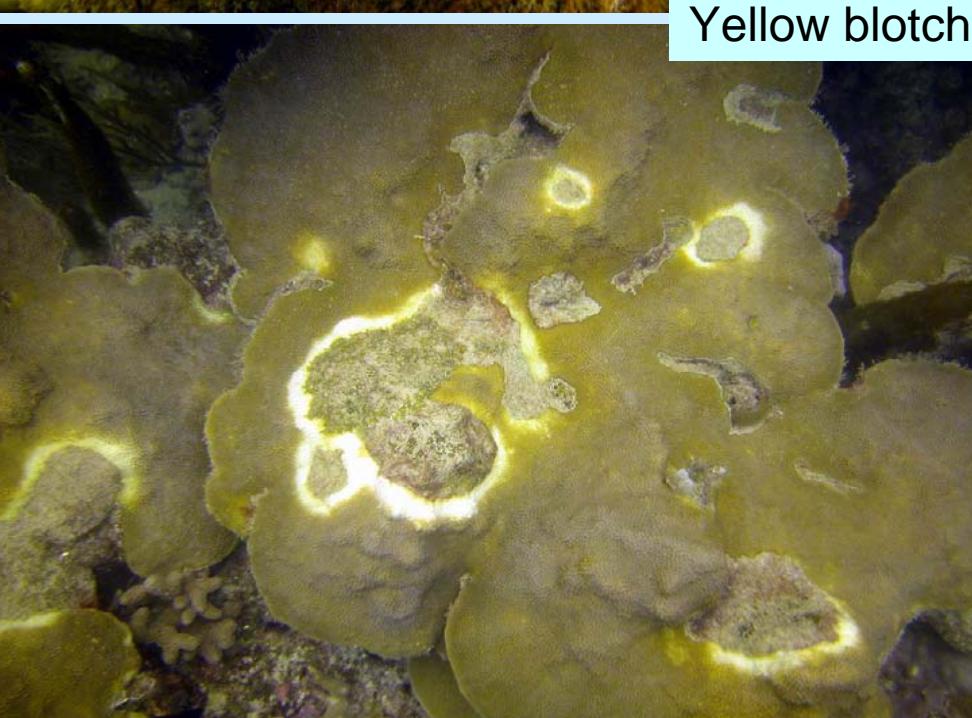


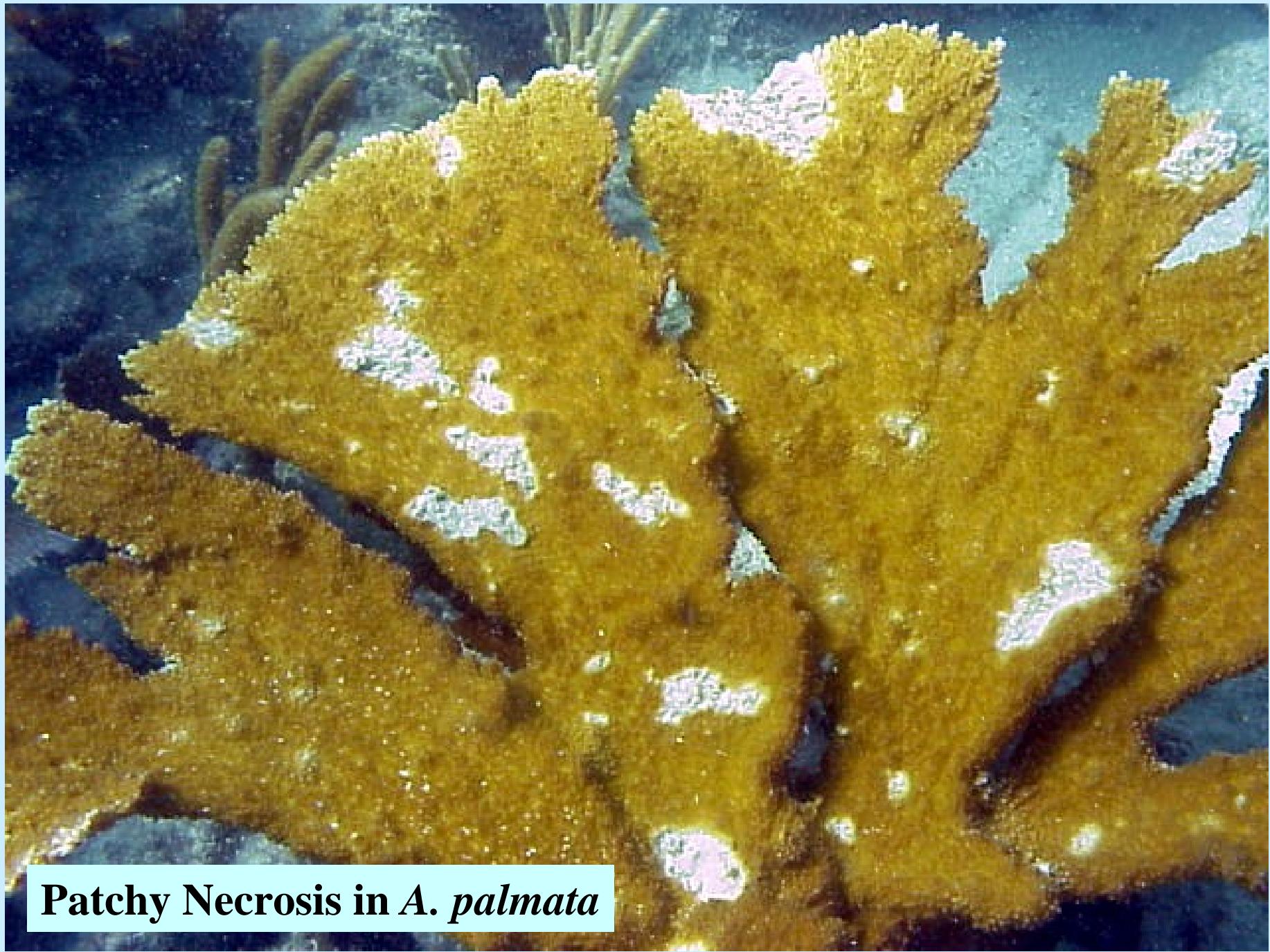
White plague-II



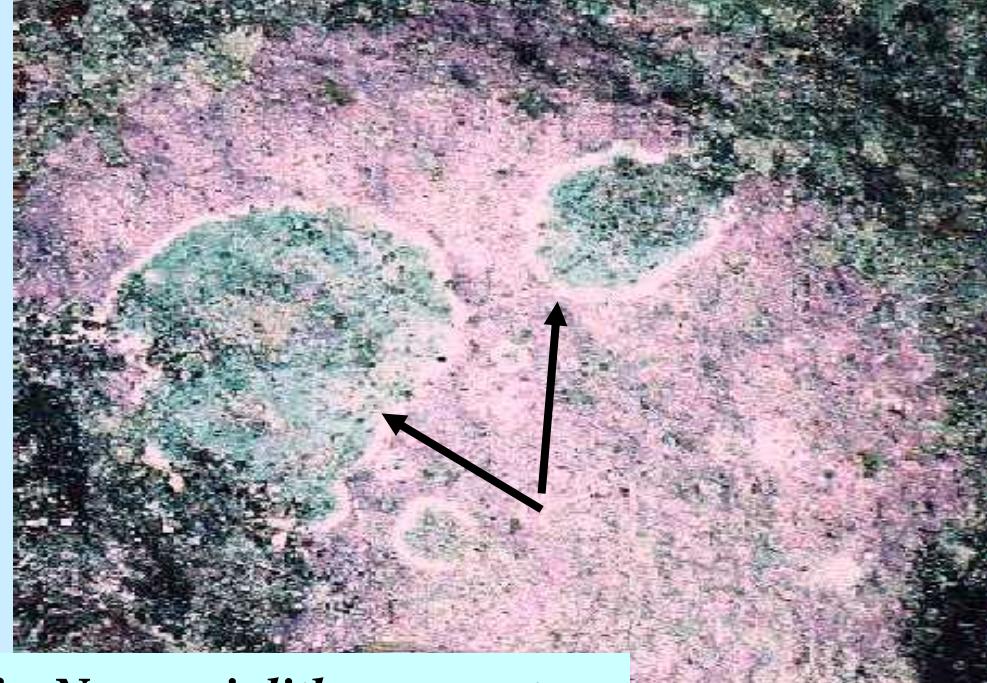


Yellow blotch syndrome

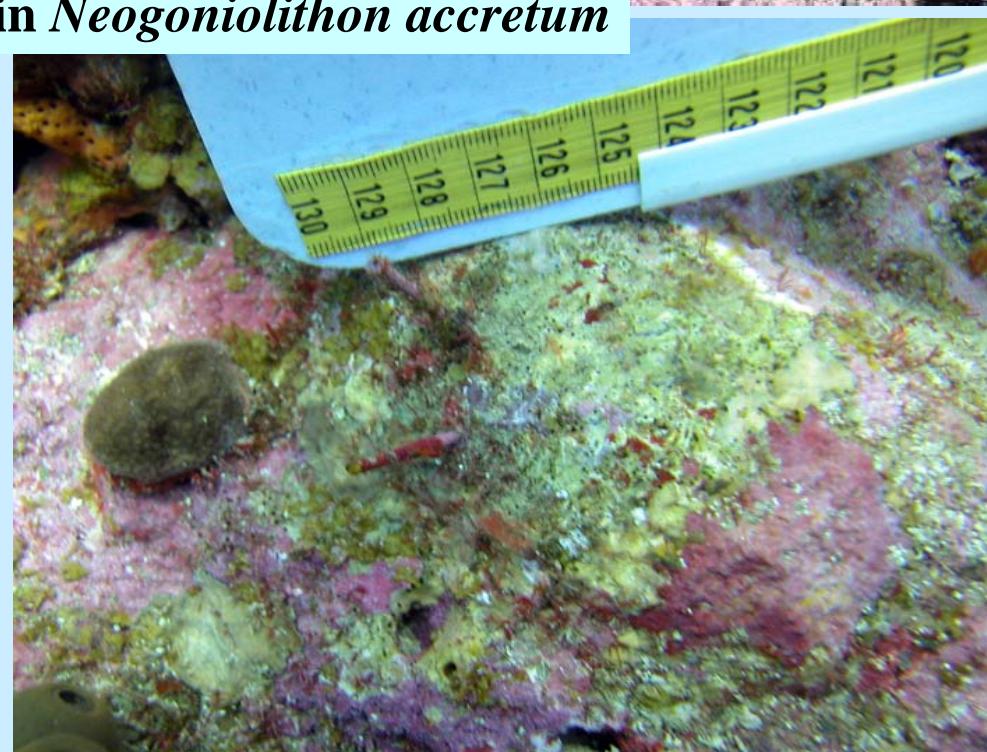
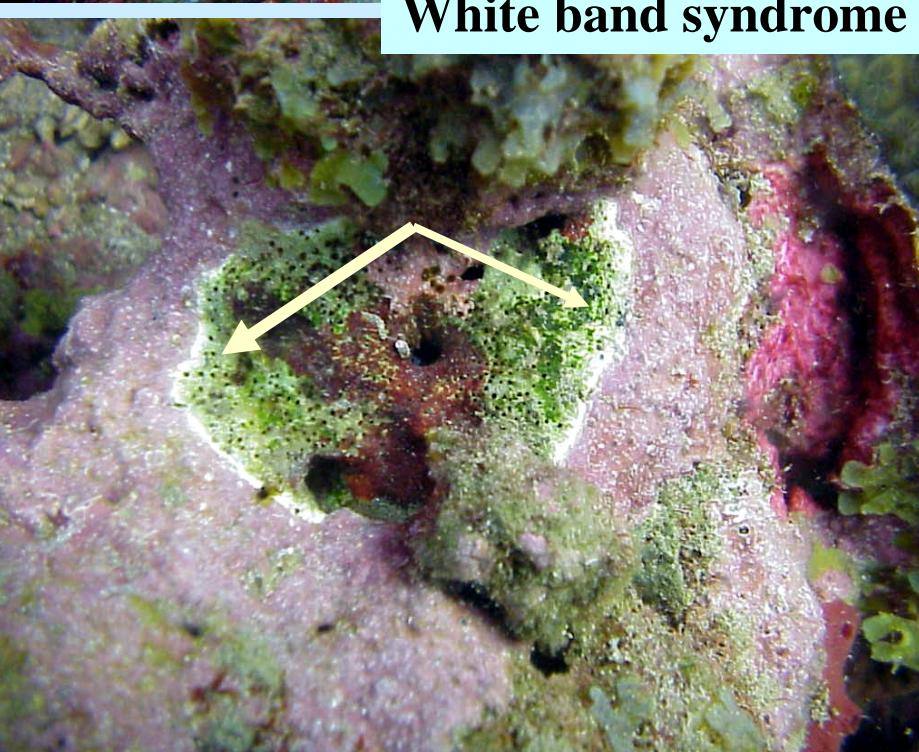


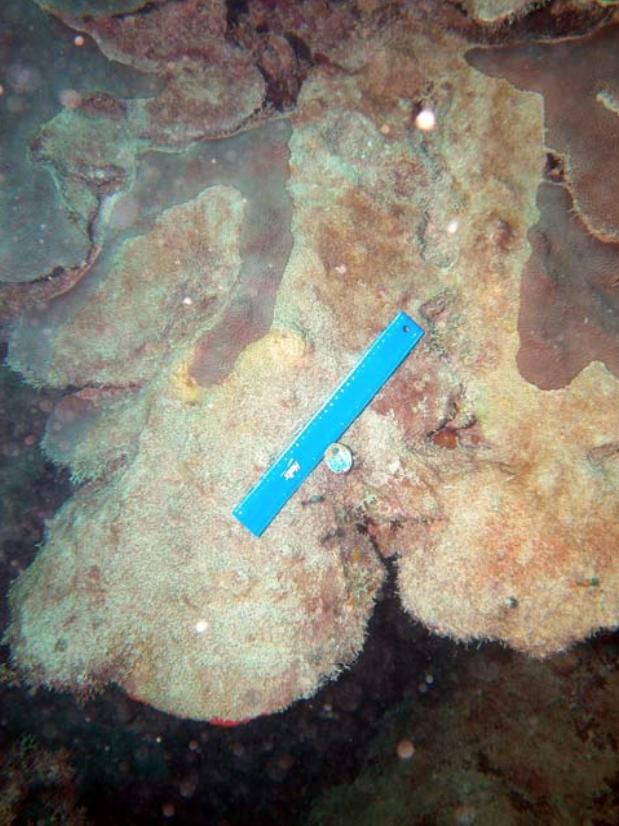


Patchy Necrosis in *A. palmata*

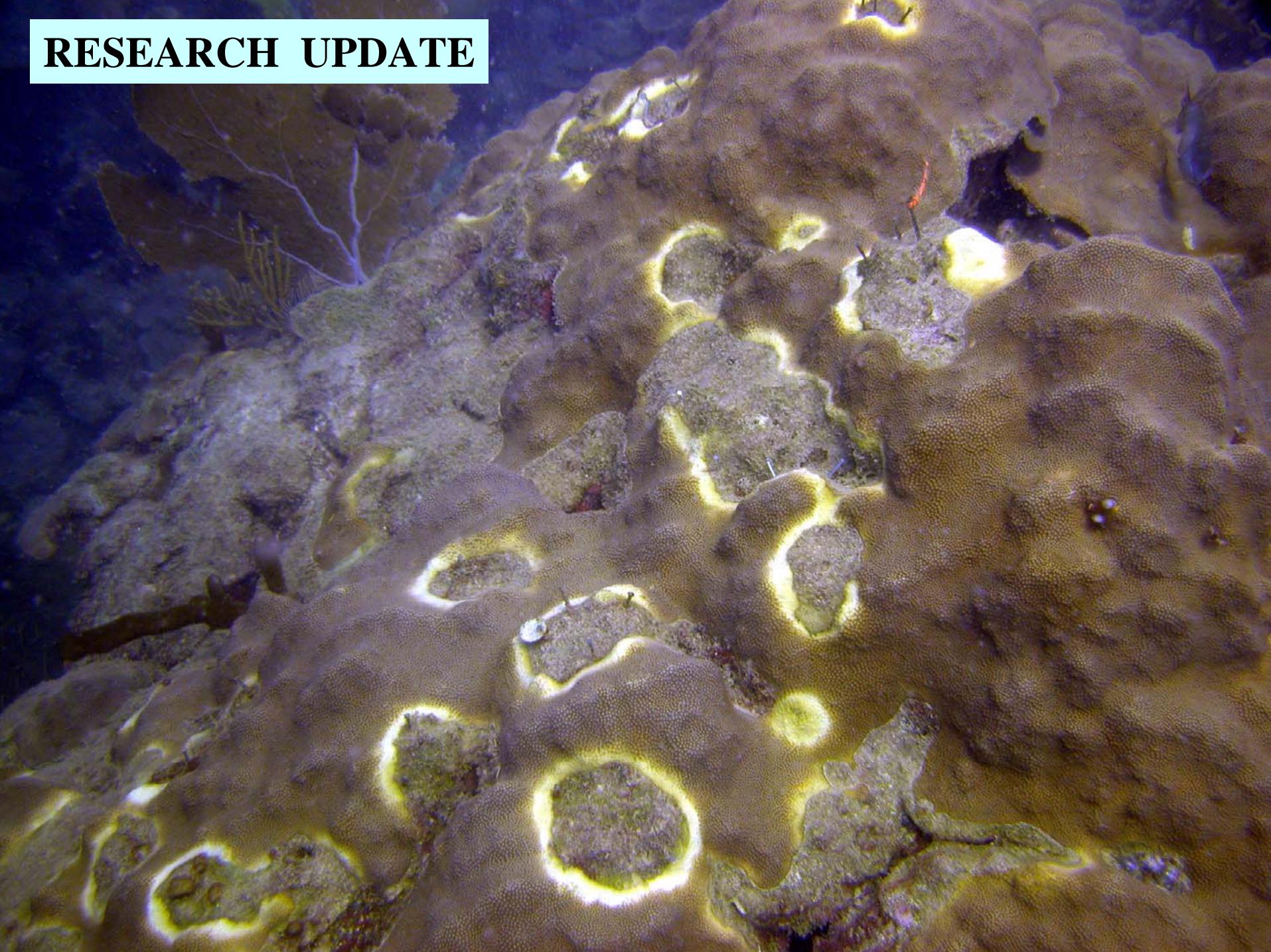


White band syndrome in *Neogoniolithon accretum*

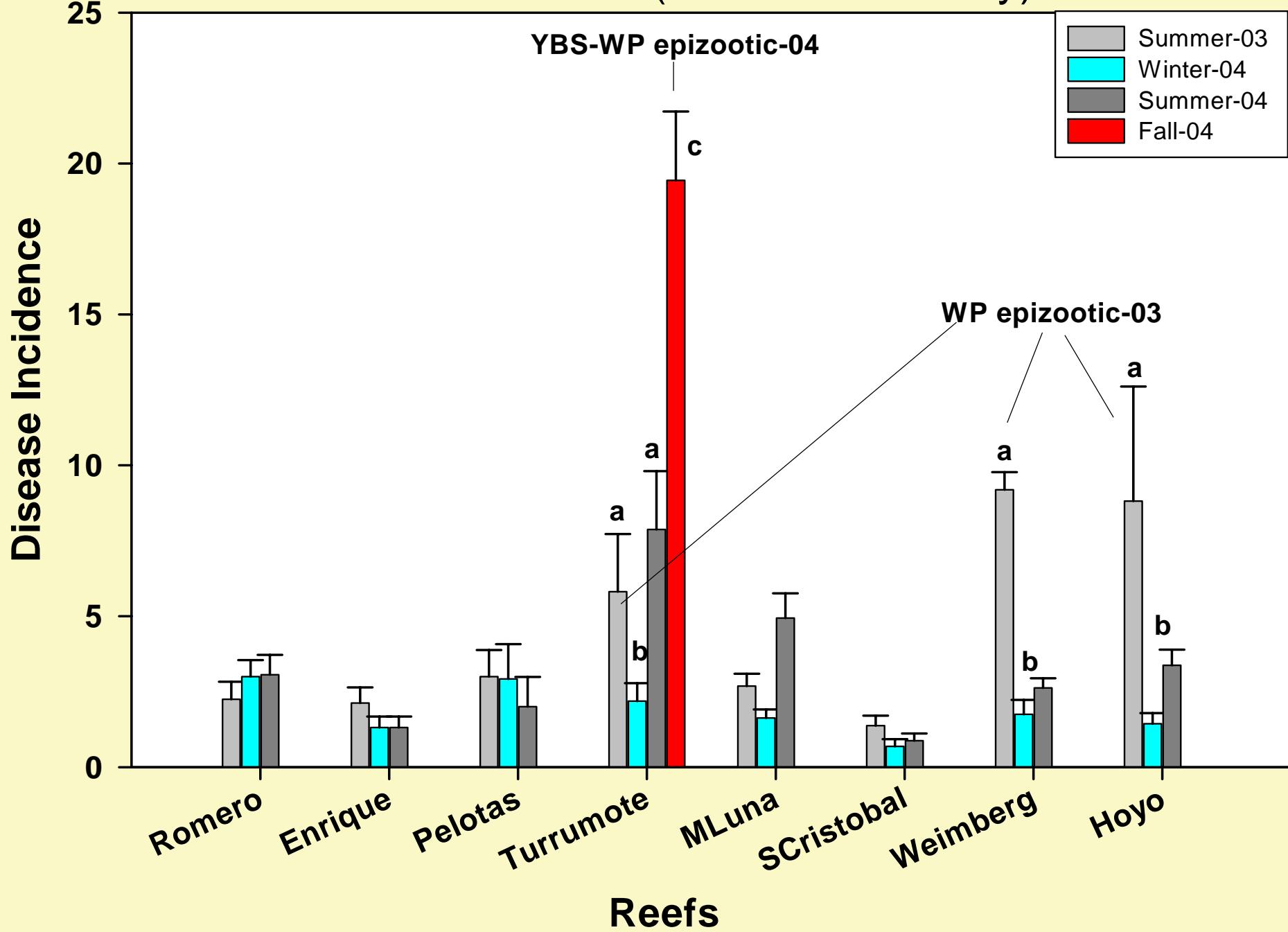




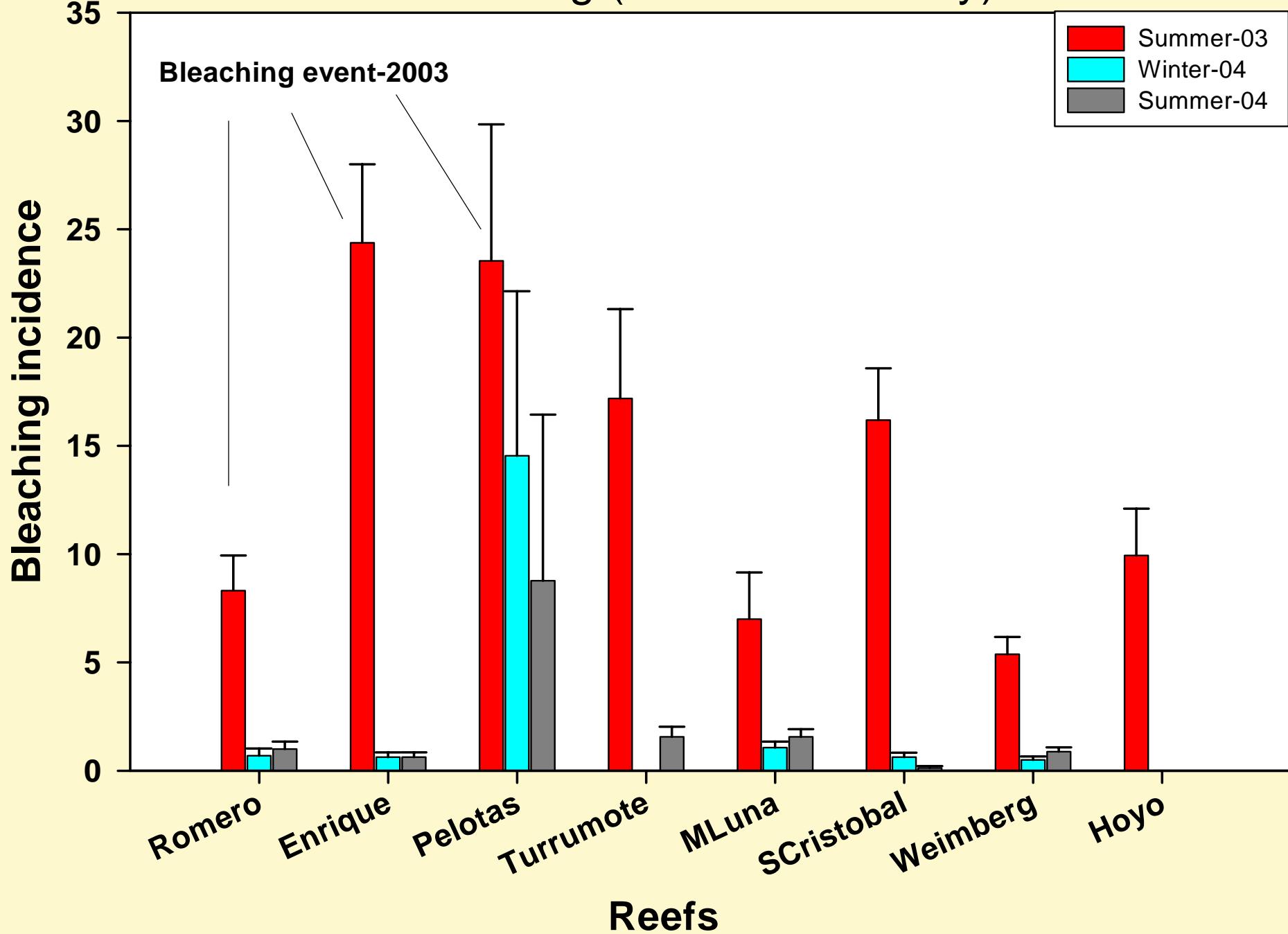
RESEARCH UPDATE



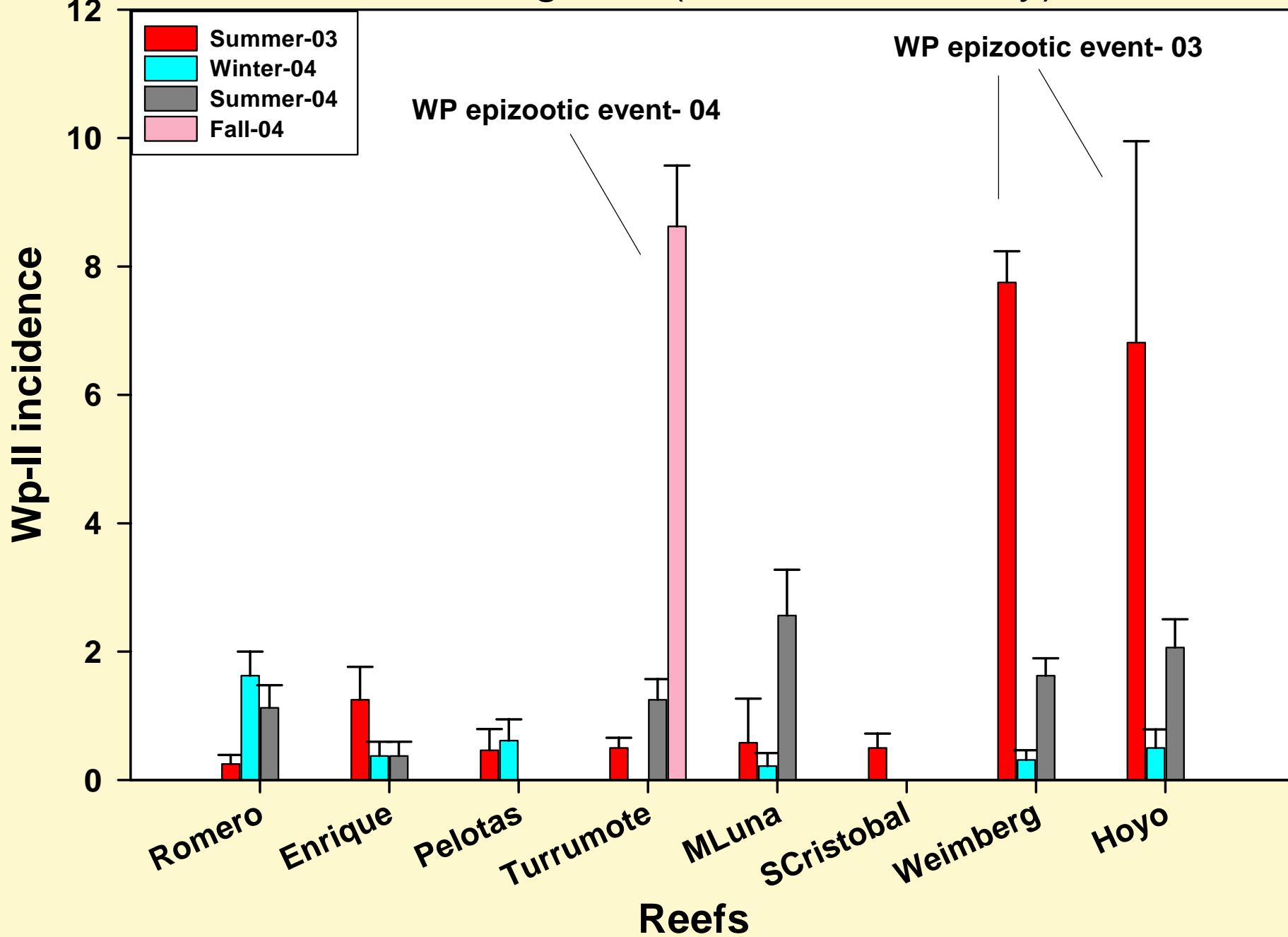
Total Disease (Coral community)



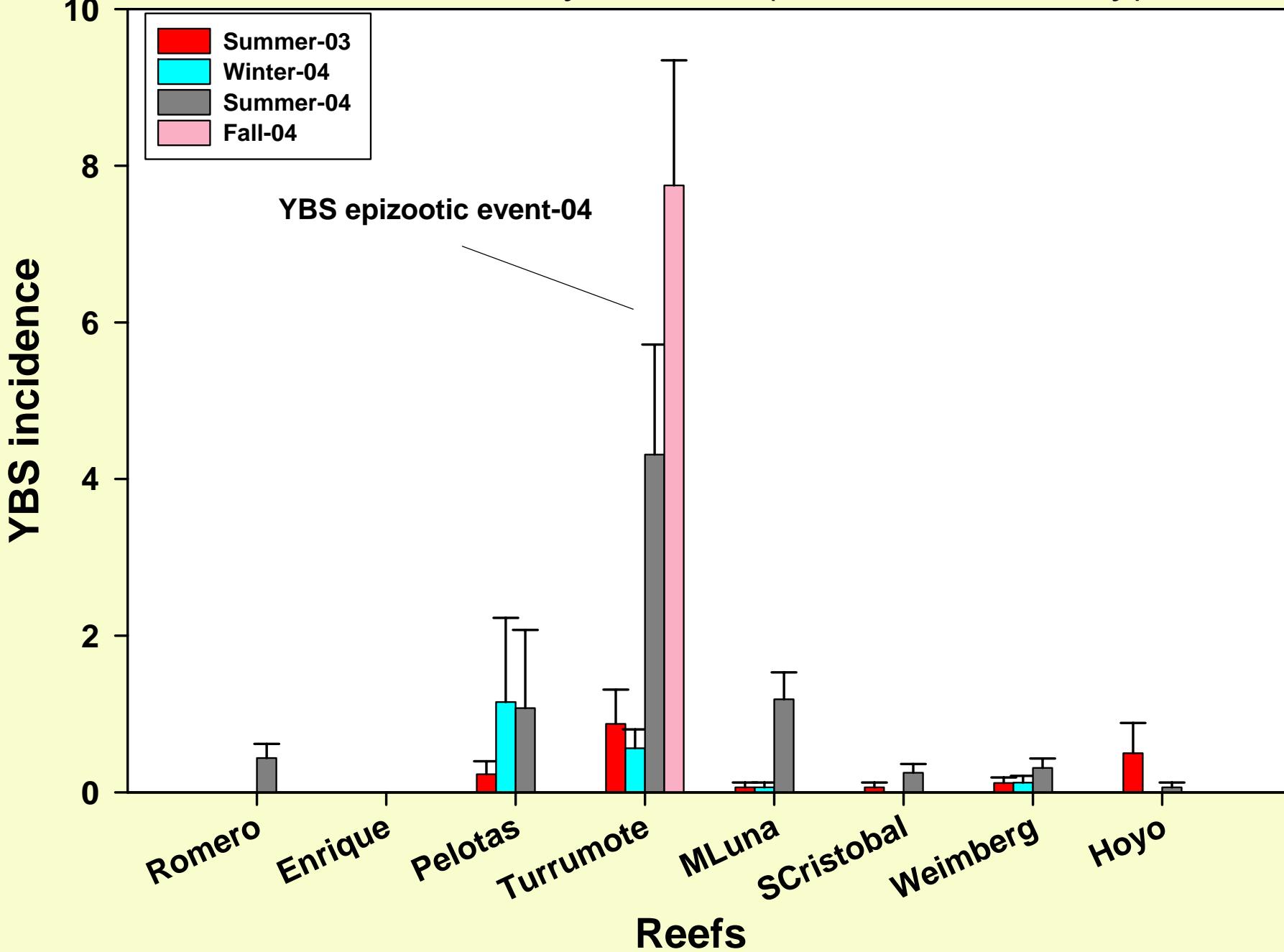
Bleaching (Coral community)

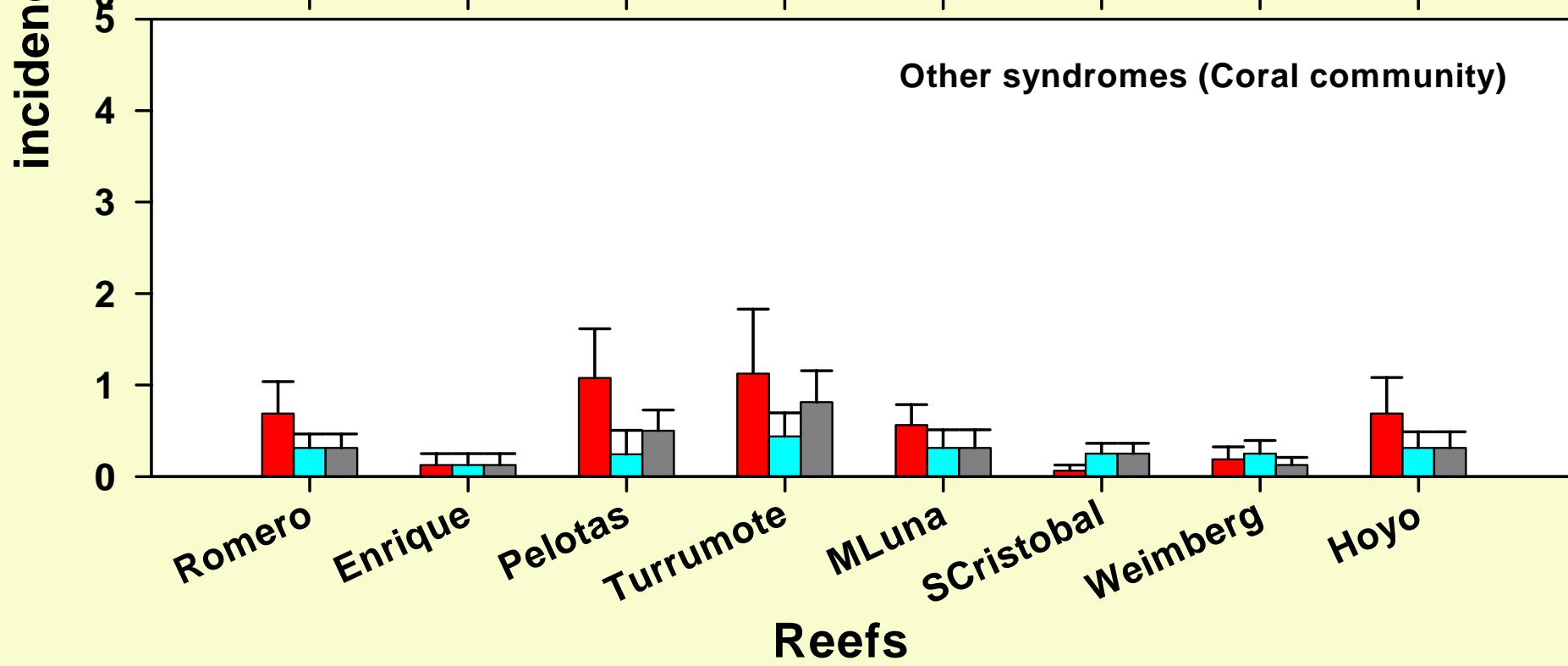
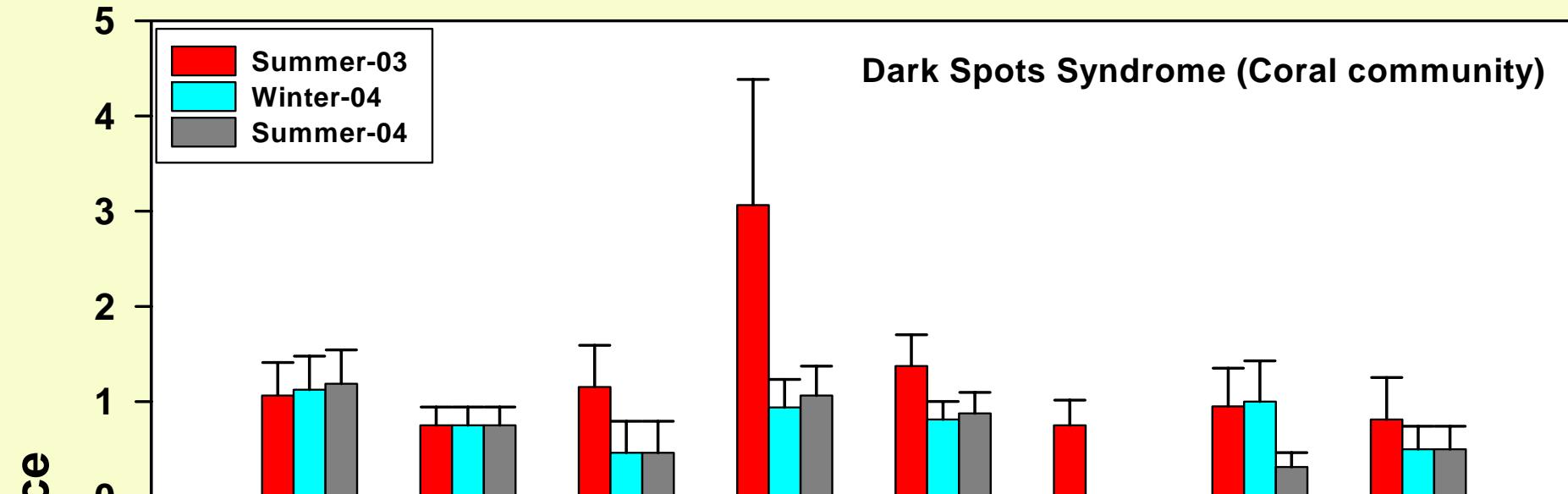


White Plague-II (Coral community)

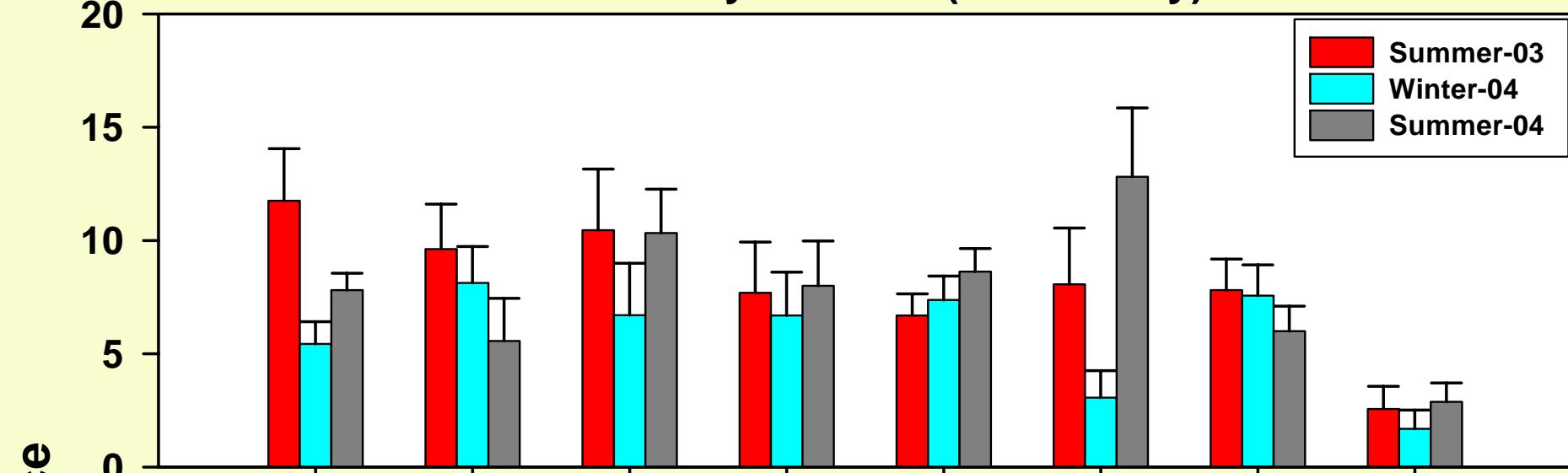


Yellow Blotch Syndrome (Coral community)

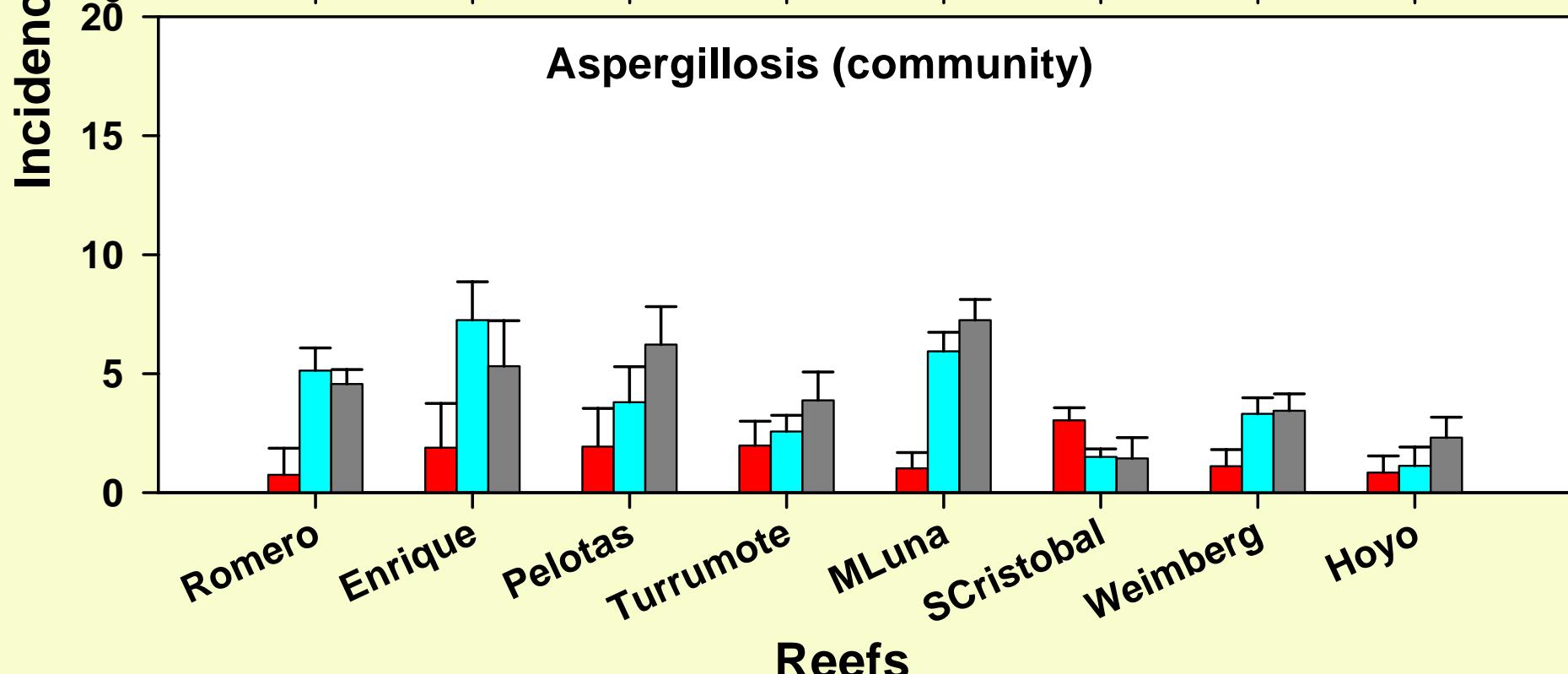




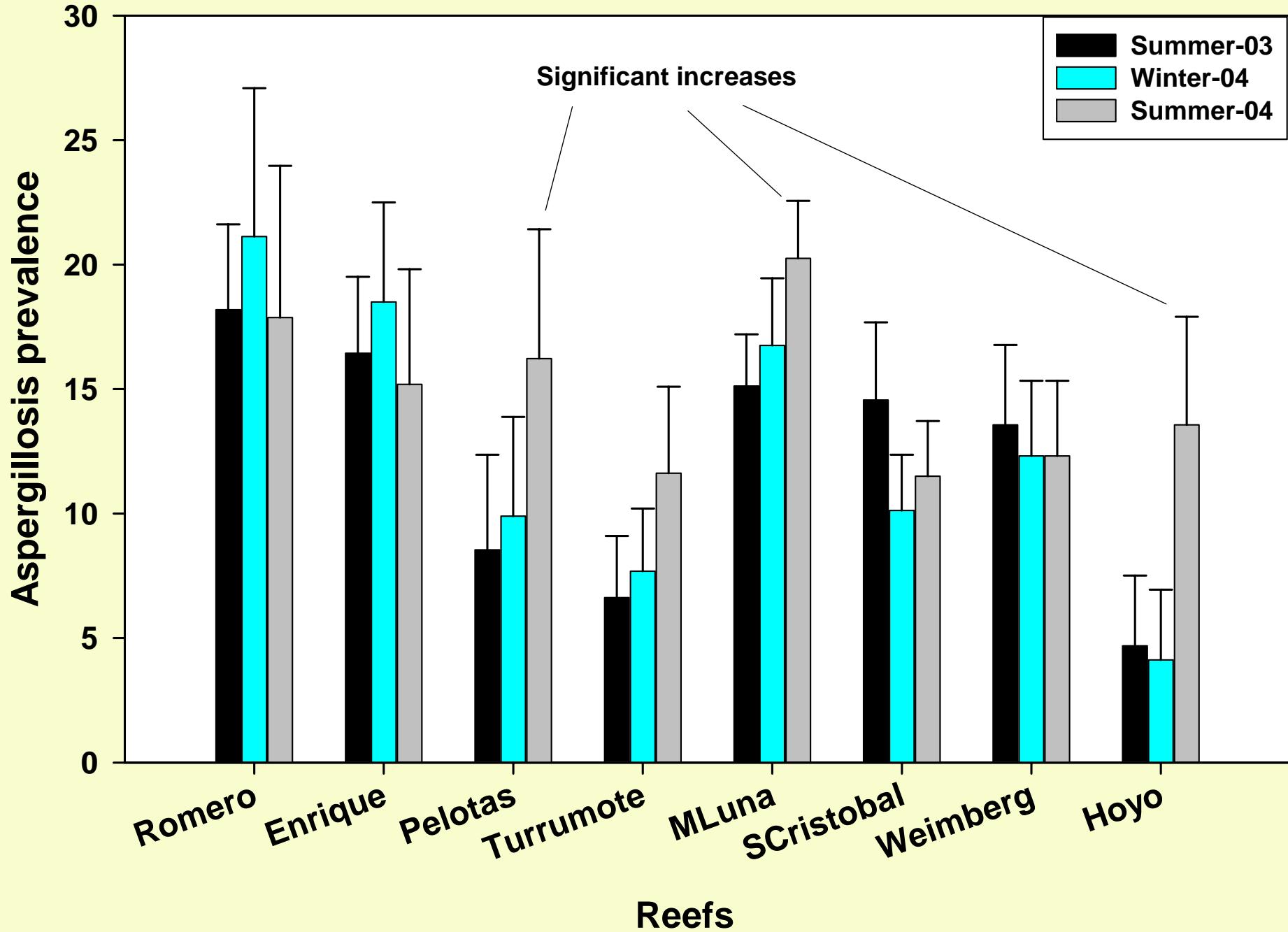
Octocoral Syndromes (community)



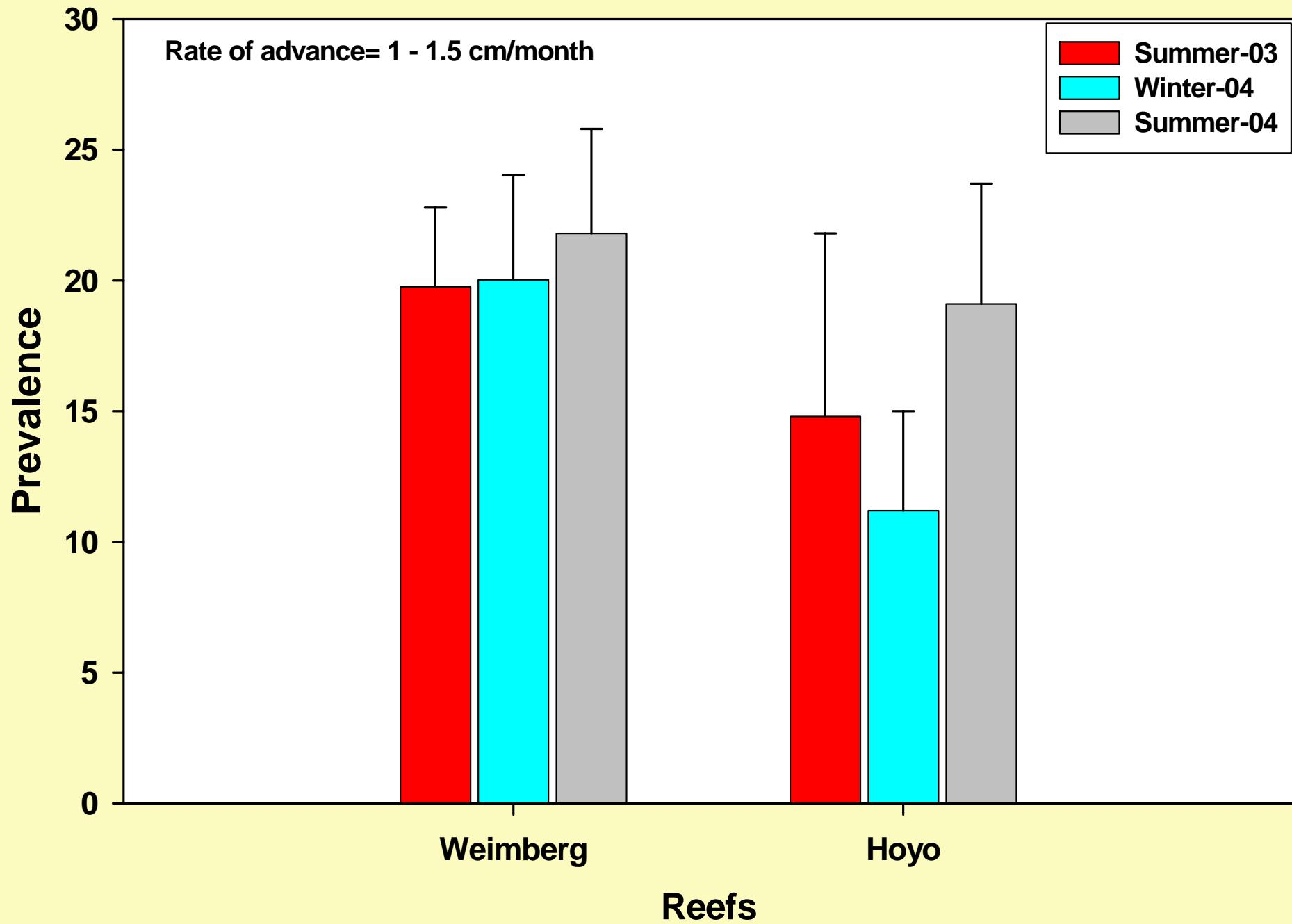
Aspergillosis (community)



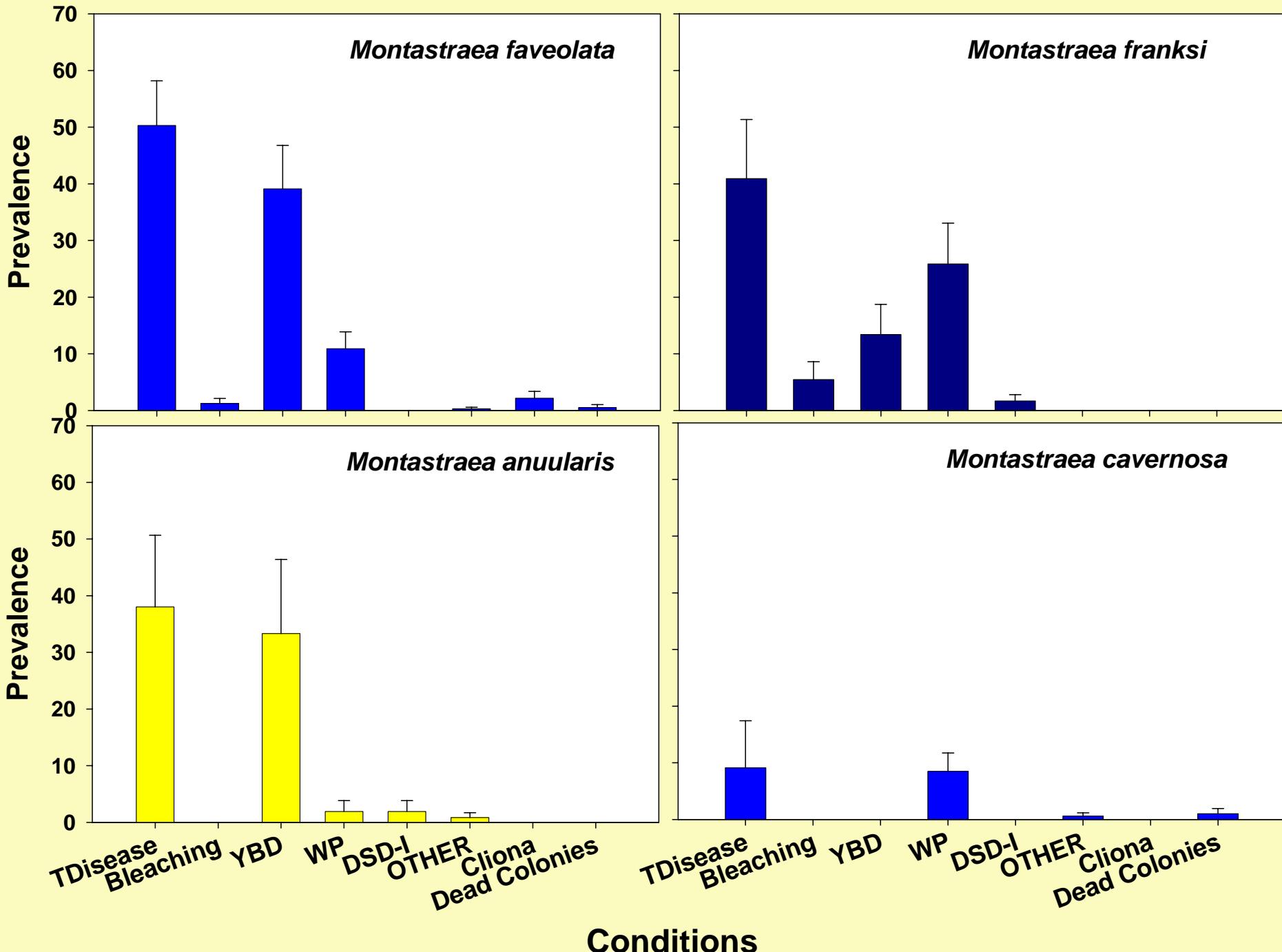
Aspergillosis in *Gorgonia ventalina*



Coralline algae White Band Syndrome

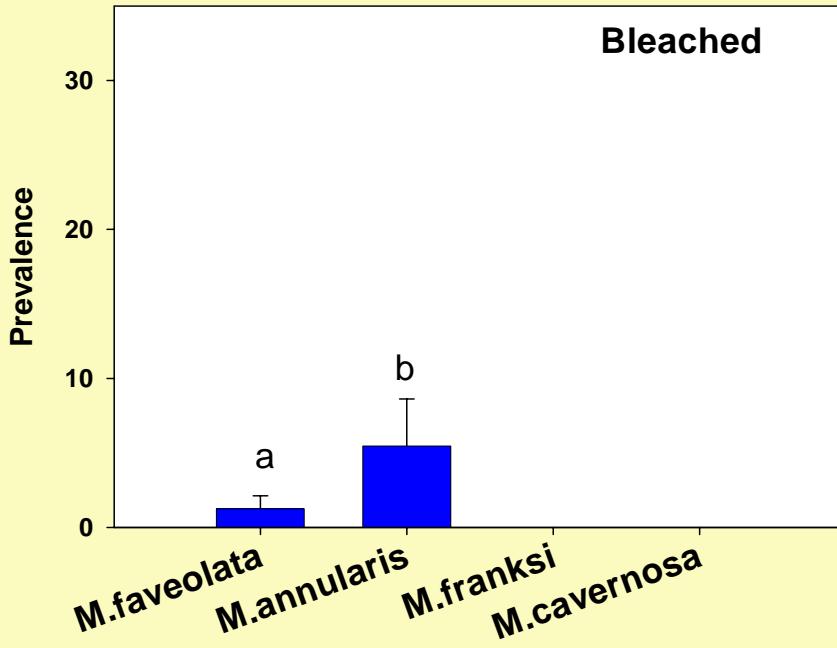
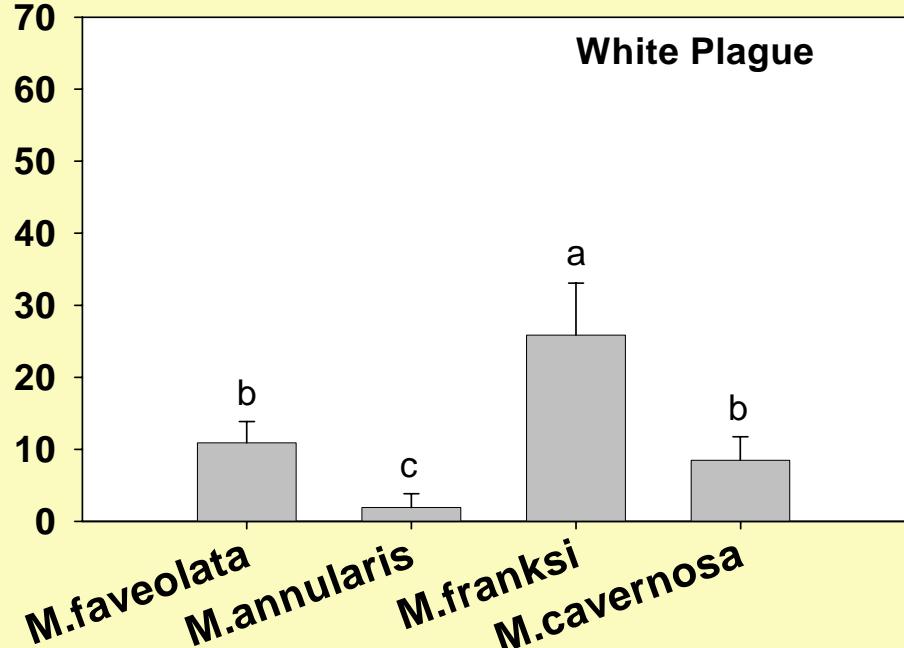
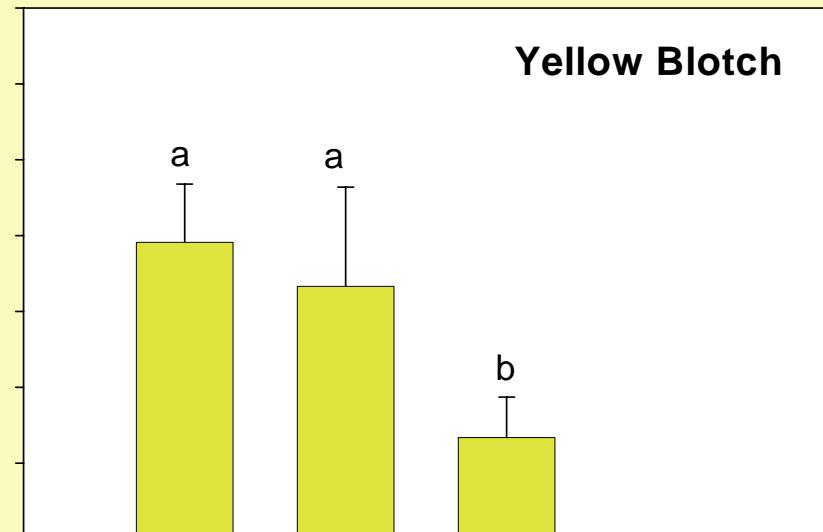
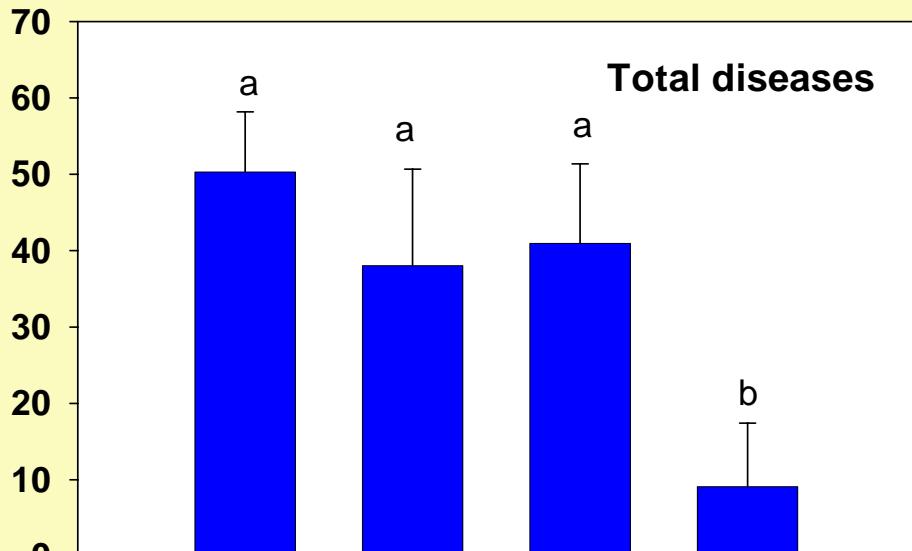


Conditions affecting the different species of *Montastraea* in late summer of 2004 at Turrumote



Turrumote reef - Fall - 04 - Montastraea spp.

Prevalence



Species



THANKS!